

Product Name	Catalog No	Applications Notes
ExKine™ Nuclear and Cytoplasmic Protein Extraction Kit	KTP3001	Abbkine ExKine™ Nuclear and Cytoplasmic Protein Extraction Kit enable stepwise separation and preparation of crude cytoplasmic and nuclear extracts from mammalian cultured cells or tissue. This Kit is based on allowing cells to swell with hypotonic buffer. And then the cells are disrupted, the cytoplasmic fraction is removed, and the nuclear proteins are released from the nuclei by a high salt buffer. Non-denatured, active proteins are purified in less than two hours.
ExKine™ Nuclear Protein Extraction Kit	KTP3002	Abbkine ExKine™ Nuclear Protein Extraction Kit enable stepwise separation and preparation of crude cytoplasmic and nuclear extracts from mammalian cultured cells or tissue. This Kit is based on allowing cells to swell with hypotonic buffer. And then the cells are disrupted, the cytoplasmic fraction is removed, and the nuclear proteins are released from the nuclei by a high salt buffer. Non-denatured, active proteins are purified in less than two hours.
ExKine™ Cytoplasmic Protein Extraction Kit	KTP3003	Abbkine ExKine™ Cytoplasmic Protein Extraction Kit enable stepwise separation and preparation of cytoplasmic extracts from mammalian cultured cells or tissues. This Kit is based on allowing cells to swell with hypotonic buffer. And then the cells are disrupted, the nuclear fraction is removed. Non-denatured, active proteins are purified in less than two hours.
ExKine™ Total Membrane Protein Extraction Kit	KTP3004	Abbkine ExKine™ Total Membrane Protein Extraction Kit is a simple, rapid and reproducible method to prepare cellular protein fractions highly enriched in membrane and hydrophobic proteins, based on temperature-dependent phase separation. The sample is first mixed and homogenized in the membrane protein extraction buffers. After a brief incubation at 37°C, the sample is centrifuged, producing an upper aqueous phase and a lower detergent-rich phase. Proteins that were anchored to the membrane or proteins containing one or two transmembrane domains are efficiently partitioned to the detergent-rich phase.
ExKine™ Membrane and Cytoplasmic Protein Extraction kit	KTP3005	Abbkine ExKine™ Membrane and Cytoplasmic Protein Extraction Kit enable stepwise separation and preparation of non-denatured, active cytoplasmic and membrane protein from mammalian cultured cells or tissues, which can be used directly in a variety of proteomics application. The cells are first broken by homogenization to allow the release of cytosolic and membrane proteins, after which membrane proteins are obtained by high speed centrifugation. Extraction efficiencies and yields will vary depending on cell type as well as the number of times the integral membrane protein spans the lipid bilayer.
ExKine™ Total Protein Extraction Kit	KTP3006	Abbkine ExKine™ Total Protein Extraction Kit is composed of rapid and efficient solutions for lysis of mammalian adherent cells, nonadherent cells, and tissues, which is compatible with many different applications, such as reporter assays, protein purification, Western blot, immunoprecipitation.
ExKine™ Pro Total Protein Extraction Kit for Animal Cultured Cells/Tissues	KTP3007	ExKine™ Pro Total Protein Extraction Kit for Animal Cultured Cells/Tissues is composed of rapid and efficient solutions for lysis of mammalian adherent cells, nonadherent cells, and tissues, which is compatible with many different applications, such as reporter assays, protein purification, Western blot, immunoprecipitation.
ExKine™ Pro Total Protein Extraction Kit for Plant Tissues	KTP3008	Abbkine's ExKine™ Pro Total Protein Extraction Kit for Plant Tissues provides a simple and convenient method for extracting total protein from plant tissues.
ExKine™ Nuclei Extraction Kit	KTP4001	Abbkine ExKine™ Nuclei Extraction Kit enables rapid isolation of nuclei from mammalian cultured cells and homogenate tissues. The isolated nuclei can be preserved frozen several months in the included storage buffer.

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ExKine™ Nuclei Extraction Kit (High Purity)	KTP4002	Abbkine ExKine™ Nuclei Extraction Kit (High Purity) is designed for the preparation of pure nuclei and fragile nuclei from mammalian cultured cells and solid tissues. Nuclei are collected by ultracentrifugation through a sucrose cushion and are quite clean and free of contaminating membranes and cytoplasmic components. The isolated nuclei can be preserved frozen several months in the included storage buffer.
ExKine™ Mitochondrion Extraction Kit (Cultured Cells)	KTP4003	Abbkine ExKine™ Mitochondrion Extraction Kit (Cultured Cells) enables rapid and crude isolation of of intact mitochondria from cultured mammalian cells. The kit offers two protocols for the separation of mitochondria from cytosolic components relying on differential centrifugation. First protocol utilizes a reagent-based method allowing multiple samples to be processed concurrently. The second protocol uses traditional Dounce homogenization and provides approximately two-fold more mitochondria.
ExKine™ Mitochondrion Extraction Kit (Tissue)	KTP4004	Abbkine ExKine™ Mitochondrion Extraction Kit (Tissue) enables rapid and crude isolation of of intact mitochondria from animal tissues from both soft and hard tissues using differential centrifugation. This crude mitochondrial preparation is often enough for most applications, such as study of mitochondrial respiration, mitochondria membrane potential, apoptosis, mtDNA and mtRNA, and mitochondrial protein profiling etc.
PurKine™ His-Tag Protein Purification Kit (Ni-NTA)	KTP2001	PurKine™ His-Tag Protein Purification Kit effectively purifies high levels of overexpressed His-tagged fusion proteins in gravity column procedures at a variety of scales. The Resin in kit consists of 90µm beads of highly cross-linked 4% agarose, to which Nilotriacetic acid (NTA) has been coupled. The chelating group has then been charged with nickel ions (Ni ²⁺). Tests confirm that performance equals or exceeds popular Ni-NTA resins from other suppliers, and no decrease in performance occurs after at least five repeated uses.
PurKine™ GST-Tag Protein Purification Kit (Glutathione)	KTP2010	PurKine™ GST-Tag Protein Purification Kit effectively purifies high levels of overexpressed GST-tagged fusion proteins in gravity column procedures at a variety of scales. The Resin consists of 90µm beads of cross-linked 4% agarose, to which reduced glutathione has been coupled. Tests confirm that performance equals or exceeds popular GST-Tag Purification Resins from other suppliers, and no decrease in performance occurs after at least five repeated uses.
PurKine™ MBP-Tag Protein Purification Kit (Dextrin)	KTP2020	PurKine™ MBP-Tag Protein Purification Kit (Dextrin) effectively purifies high levels of overexpressed MBP-tagged fusion proteins in gravity column procedures at a variety of scales. The Resin consists of 90µm beads of cross-linked 6% agarose, to which Dextrin has been coupled. Tests confirm that performance equals or exceeds popular Dextrin resins from other suppliers, and no decrease in performance occurs after at least five repeated uses. In addition, its high flow properties make it excellent for scaling-up.
PurKine™ Biotin-Tag Protein Purification Kit (Streptavidin)	KTP2030	PurKine™ Biotin-Tag Streptavidin Packed Column effectively purifies high levels of biotin and biotinylated substances in gravity column procedures at a variety of scales. The Resin consists of 90µm beads of cross-linked 6% agarose, to which Streptavidin has been coupled. Tests confirm that performance equals or exceeds popular Streptavidin resins from other suppliers, and no decrease in performance occurs after at least five repeated uses.
PurKine™ Antibody Purification Kit (Protein A/G)	KTP2070	PurKine™ Protein A/G Resin 4FF has been immobilized for use in IgG purification applications in gravity column procedures at a variety of scales. The Resin consists of 90µm beads of cross-linked 4% agarose, to which Recombinant protein A/G has been coupled. Tests confirm that performance equals or exceeds popular Recombinant protein A/G resins from other suppliers, and no decrease in performance occurs after at least five repeated uses. In addition, its high flow properties make it excellent for scaling-up.

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PurKine™ Endotoxin Removal Kit (Polymyxin B)	KTP2140	PurKine™ Endotoxin Removal Resin has been designed to reduce endotoxin levels in protein samples by ≥99% while maximizing protein recovery. The Resin consists of 90µm beads of cross-linked 4% agarose, to which modified polymyxin B (PMB) has been coupled. Tests confirm that performance equals or exceeds popular polymyxin B (PMB) resins from other suppliers, and no decrease in performance occurs after at least five repeated uses.
PurKine™ His-Tag Ni-NTA Resin	BMR2001	PurKine™ His-Tag Ni-NTA Resin effectively purifies high levels of overexpressed His-tagged fusion proteins in gravity column procedures at a variety of scales. The Resin consists of 90µm beads of highly cross-linked 4% agarose, to which Nilotriacetic acid (NTA) has been coupled. The chelating group has then been charged with nickel ions (Ni ²⁺). Tests confirm that performance equals or exceeds popular Ni-NTA resins from other suppliers, and no decrease in performance occurs after at least five repeated uses.
PurKine™ GST-Tag Glutathione Resin	BMR2010	PurKine™ GST-Tag Glutathione Resin effectively purifies high levels of overexpressed GST-tagged fusion proteins in gravity column procedures at a variety of scales. The Resin consists of 90µm beads of cross-linked 4% agarose, to which reduced glutathione has been coupled. Tests confirm that performance equals or exceeds popular GST-Tag Purification Resins from other suppliers, and no decrease in performance occurs after at least five repeated uses.
PurKine™ MBP-Tag Dextrin Resin	BMR2020	PurKine™ MBP-Tag Dextrin Resin effectively purifies high levels of overexpressed MBP-tagged fusion proteins in gravity column procedures at a variety of scales. The Resin consists of 90µm beads of highly cross-linked 4% agarose, to which Dextrin has been coupled. Tests confirm that performance equals or exceeds popular Dextrin resins from other suppliers, and no decrease in performance occurs after at least five repeated uses. In addition, its high flow properties make it excellent for scaling-up.
PurKine™ Biotin-Tag Streptavidin Resin 6FF	BMR2030	PurKine™ Biotin-Tag Streptavidin Packed Column effectively purifies high levels of biotin and biotinylated substances in gravity column procedures at a variety of scales. The Resin consists of 90µm beads of cross-linked 6% agarose, to which Streptavidin has been coupled. Tests confirm that performance equals or exceeds popular Streptavidin resins from other suppliers, and no decrease in performance occurs after at least five repeated uses. In addition, its high flow properties make it excellent for scaling-up.
PurKine™ Protein A/G Resin 4FF	BMR2070	PurKine™ Protein A/G Resin 4FF has been immobilized for use in IgG purification applications in gravity column procedures at a variety of scales. The Resin consists of 90µm beads of cross-linked 4% agarose, to which Recombinant protein A/G has been coupled. Tests confirm that performance equals or exceeds popular Recombinant protein A/G resins from other suppliers, and no decrease in performance occurs after at least five repeated uses. In addition, its high flow properties make it excellent for scaling-up.
IPKine™ Protein A/G Magnetic Beads	BMR2080	
PurKine™ Endotoxin Removal Resin	BMR2140	PurKine™ Endotoxin Removal Resin has been designed to reduce endotoxin levels in protein samples by ≥99% while maximizing protein recovery. The Resin consists of 90µm beads of cross-linked 4% agarose, to which modified polymyxin B (PMB) has been coupled. Tests confirm that performance equals or exceeds popular polymyxin B (PMB) resins from other suppliers, and no decrease in performance occurs after at least five repeated uses.