

Recombinant Human KIF18A 293 Cell Lysate

Cat. No. KIF18A-4952HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for kinesin family member 18A (KIF18A) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	KIF18A kinesin family member 18A [Homo sapiens]
Official Symbol	KIF18A
Synonyms	KIF18A; kinesin family member 18A; kinesin-like protein KIF18A; DKFZP434G2226; MS-KIF18A; DKFZp434G2226;
Gene ID	81930
mRNA Refseq	NM_031217
Protein Refseq	NP_112494
MIM	611271
UniProt ID	Q8NI77
Chromosome Location	11p14.1
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Hemostasis, organism-specific biosystem; Kinesins, organism-specific biosystem; M Phase, organism-specific biosystem;
Function	ATP binding; actin binding; microtubule binding; microtubule plus-end binding;

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nucleotide binding; plus-end-directed microtubule motor activity; protein binding;
tubulin-dependent ATPase activity; ubiquitin binding;

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