

Recombinant Human KIF16B 293 Cell Lysate

Cat. No. KIF16B-4954HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for kinesin family member 16B (KIF16B) 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.

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

GENE INFORMATION
Gene Name

KIF16B kinesin family member 16B [Homo sapiens]

Official Symbol

KIF16B

Synonyms

KIF16B; kinesin family member 16B; C20orf23, chromosome 20 open reading frame 23; kinesin-like protein KIF16B; dJ971B4.1; FLJ20135; SNX23; sorting nexin 23; kinesin motor protein; C20orf23; KISC20ORF;

Gene ID

55614

mRNA Refseq

NM_001199865

Protein Refseq

NP_001186794

UniProt ID

Q96L93

Chromosome Location

20p11.23

Function

ATP binding; lipid binding; nucleotide binding; phosphatidylinositol-3,4,5-trisphosphate binding; phosphatidylinositol-3,4-bisphosphate binding; phosphatidylinositol-3,5-bisphosphate binding; phosphatidylinositol-3-phosphate binding; plus-end-directed microtubule motor activity;

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