

Recombinant Human KIF20A 293 Cell Lysate

Cat. No. KIF20A-4950HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for kinesin family member 20A (KIF20A) 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 [KIF20A kinesin family member 20A \[Homo sapiens \]](#)

Official Symbol [KIF20A](#)

Synonyms [KIF20A](#); [kinesin family member 20A](#); [RAB6 interacting, kinesin like \(rabkinesin6\)](#) , [RAB6KIFL](#); [kinesin-like protein KIF20A](#); [GG10_2](#); [rabkinesin-6](#); [mitotic kinesin-like protein 2](#); [rab6-interacting kinesin-like protein](#); [RAB6 interacting, kinesin-like \(rabkinesin6\)](#); [MKLP2](#); [RAB6KIFL](#); [FLJ21151](#);

Gene ID [10112](#)

mRNA Refseq [NM_005733](#)

Protein Refseq [NP_005724](#)

MIM [605664](#)

UniProt ID [O95235](#)

Chromosome Location [5q31](#)

Pathway [Aurora B signaling, organism-specific biosystem](#); [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](#);

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Function

ATP binding; microtubule motor activity; nucleotide binding; protein kinase binding; transporter activity;

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