

Recombinant Human KIF20A 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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

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

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platelet production, organism-specific biosystem; Hemostasis, organism-specific biosystem; Kinesins, organism-specific biosystem;

Function

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

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