

Recombinant Human KIF21A 293 Cell Lysate

Cat. No. KIF21A-4949HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for kinesin family member 21A (KIF21A) 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

KIF21A kinesin family member 21A [Homo sapiens]

Official Symbol

KIF21A

Synonyms

KIF21A; kinesin family member 21A; FEOM1, fibrosis of the extraocular muscles, congenital, 1; kinesin-like protein KIF21A; FLJ20052; kinesin-like protein KIF2; renal carcinoma antigen NY-REN-62; FEOM1; CFEOM1; FEOM3A; KIAA1708; DKFZp779C159;

Gene ID

55605

mRNA Refseq

NM_001173463

Protein Refseq

NP_001166934

MIM

608283

UniProt ID

Q7Z4S6

Chromosome Location

12q12

Function

ATP binding; microtubule motor activity; nucleotide binding;

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