

Recombinant Human KIF4A 293 Cell Lysate

Cat. No. KIF4A-4944HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for kinesin family member 4A (KIF4A) 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

KIF4A kinesin family member 4A [Homo sapiens]

Official Symbol

KIF4A

Synonyms

KIF4A; kinesin family member 4A; chromosome-associated kinesin KIF4A; chromokinesin; FLJ12530; FLJ12655; FLJ14204; FLJ20631; HSA271784; KIF4; KIF4 G1; chromokinesin-A; KIF4G1;

Gene ID

24137

mRNA Refseq

NM_012310

Protein Refseq

NP_036442

MIM

300521

UniProt ID

O95239

Chromosome Location

Xq13.1

Pathway

Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Hemostasis, organism-specific biosystem; Kinesins, organism-specific biosystem; L1CAM interactions, organism-specific

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biosystem; Recycling pathway of L1, organism-specific biosystem;

Function

ATP binding; DNA binding; microtubule motor activity; nucleotide binding;

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