

Recombinant Human KIF2C 293 Cell Lysate

Cat. No. KIF2C-4946HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for kinesin family member 2C (KIF2C) 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

KIF2C kinesin family member 2C [Homo sapiens]

Official Symbol

KIF2C

Synonyms

KIF2C; kinesin family member 2C; kinesin like 6 (mitotic centromere associated kinesin) , KNSL6; kinesin-like protein KIF2C; MCAK; kinesin-like 6; kinesin-like protein 6; mitotic centromere-associated kinesin; KNSL6;

Gene ID

11004

mRNA Refseq

NM_006845

Protein Refseq

NP_006836

MIM

604538

UniProt ID

Q99661

**Chromosome
Location**

1p34.1

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

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biosystem; Kinesins, organism-specific biosystem;

Function

ATP binding; centromeric DNA binding; microtubule motor activity; microtubule plus-end binding; nucleotide binding; protein binding;

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