

Datasheet for ABIN7554332
KIF2A Protein (AA 1-706) (His tag)



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Overview

Quantity:	1 mg
Target:	KIF2A
Protein Characteristics:	AA 1-706
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIF2A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat KIF2A Protein expressed in mammalian cells.
Sequence:	MATANFGKIQ IGIYVEIKRS DGRIHQAMVT SLNEDNESVT VEWIENGDTK GKEIDLESIF SLNPDLPDE EIEPSPETPP PPASSAKV NK IVKNRRTVAS IKNDPPSRDN RVVGSARARP SQFPEQSSSA QQNGSVSDIS PVQAAKKEFG PPSRRKSNCV KEVEKLQEKR EKRRLLQQQEL REKRAQDVDA TNPNYEIMCM IRDFRGLSDY RPLTTADPID EHRICVCVRK RPLNKKETQM KDLDVITIPS KDVVMVHEPK QKVDLTRYLE NQTFRFDYAF DDSAPNEMVY RFTARPLVET IFERGMATCF AYQGTGSGKT HTMGDFSGK NQDCSKGIYA LAARDVFLML KKP NYKKLEL QVYATFFEIY SGKVFDLLNR KTKLRVLEDG KQQVQVGLQ EREVKCVEDV LKLIDIGNSC RTSGQTSANA HSSRSHAVFQ IILRRKGLH GKFLSLIDLAG NERGADTSSA DRQTRLEGAE INKSLLALKE CIRALGRNKP HTPFRASKLT QVLRDSFIGE NSRTCMIATI SPGMASCENT LNTLRYANRV KELTVDP TAA GDVRPIMHHP PNQIDDLTQ WGVGSSPQRD DLKLLCEQNE EEVSPQLFTF HEAVSQMVEM EEQVVEDHRA VFQESIRWLE DEKALLEMTE EVDYDVDSYA

Product Details

TQLEAILEQK IDILTELRDK VKSFRAALQE EEQASKQINP KRPRAL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

KIF2A

Alternative Name:

KIF2A ([KIF2A Products](#))

Background:

Kinesin-like protein KIF2A (Kinesin-2) (hK2),FUNCTION: Plus end-directed microtubule-dependent motor required for normal brain development. May regulate microtubule dynamics during axonal growth. Required for normal progression through mitosis. Required for normal congress of chromosomes at the metaphase plate. Required for normal spindle dynamics during mitosis. Promotes spindle turnover. Implicated in formation of bipolar mitotic spindles. Has microtubule depolymerization activity. {ECO:0000269|PubMed:15843429, ECO:0000269|PubMed:17538014, ECO:0000269|PubMed:18411309}.

Molecular Weight:

80.0 kDa

Target Details

UniProt: [O00139](#)

Pathways: [Microtubule Dynamics, Ribonucleoprotein Complex Subunit Organization](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months