

Datasheet for ABIN7548694
KIF22 Protein (AA 1-665) (His tag)



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Overview

Quantity:	1 mg
Target:	KIF22
Protein Characteristics:	AA 1-665
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIF22 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat KIF22 Protein expressed in mammalien cells.
Sequence:	MAAGGSTQQR RREMAAASAA AISGAGRCRL SKIGATRRPP PARVRVAVRL RPFVDGTAGA SDPPCVRGMD SCSLEIANWR NHQETLKYQF DAFYGERSTQ QDIYAGSVQP ILRHLLEGQN ASVLAYGPTG AGKTHTMLGS PEQPGVIPRA LMDLLQLTRE EGAEGRPWAL SVTMSYLEIY QEKVLDLLDP ASGDLVIREDCRGNILIPGL SQKPISSFAD FERHFLPASR NRTVGATRLN QRSSRSHAVL LVKVDQERL APFRQREGKL YLIDLAGESED NRRTGNKGLR LKESGAINTS LFVLGKVVDA LNQGLPRVPY RDSKLTRLLQ DSLGGSASHSI LIANIAPERR FYLDTVSALN FAARSKEVIN RPFTNESLQP HALGPVKLSQ KELLGPPEAK RARGPEEEEEI GSPEPMAAPA SASQKLSPLQ KLSSMDPAML ERLLSLDRLL ASQGSQGAPL LSTPKRERMV LMKTVEEKDL EIERLKTQKQ ELEAKMLAQK AEEKENHCPT MLRPLSHRTV TGAKPLKKAV VMPLQLIQEQ AASPNAEIH I LKNKGRKRKL ESLDALEPEE KAEDCWELQI SPELLAHGRQ KILDLLNEGS ARDLRSLQRI GPKKAQLIVG WRELHGPFSSQ VEDLERVEGI TGKQMESFLK ANILGLAAGQ RCGAS

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:

KIF22

Alternative Name:

KIF22 ([KIF22 Products](#))

Background:

Kinesin-like protein KIF22 (Kinesin-like DNA-binding protein) (Kinesin-like protein 4),FUNCTION: Kinesin family member that is involved in spindle formation and the movements of chromosomes during mitosis and meiosis. Binds to microtubules and to DNA (By similarity). Plays a role in congression of laterally attached chromosomes in NDC80-depleted cells (PubMed:25743205). {ECO:0000250|UniProtKB:Q9I869, ECO:0000269|PubMed:25743205}.

Molecular Weight:

73.3 kDa

UniProt:

[Q14807](#)

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
