

Datasheet for ABIN7548785  
**KIF3B Protein (AA 1-747) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KIF3B
Protein Characteristics:	AA 1-747
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIF3B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat KIF3B Protein expressed in mammalien cells.
Sequence:	<p>MSKLNKSSSESV RVVVRCRPMN GKEKAASYDK VVDVDVCLGQ VSVKNPKGTA HEMPKTFTFD AVYDWNKQF ELYDETFRPL VDSVLQGFNG TIFAYGQTGT GKTYTMEGIR GDPEKRGVIP NSFDHIFTHI SRSQNQQYLV RASYLEIYQE EIRDLLSKDQ TKRLELKERP DTGVVYKDLN SFVTKSVKEI EHV MNVGNQN RSVGATNMNE HSSRSHAFV ITIECSEVGL DGENHIRVVK LNLVDLAGSE RQAKTGAQGE RLKEATKINL SLSALGNVIS ALVDGKSTHI PYRDSKLTRL LQDSLGGNAK TVM VANVGPA SYNVEETLTT LRYANRAKNI KNKPRVNEDP KDALLREFQE EIARLKAQLE KRSIGRRKRR EKRRREGGSG GGGEEEEEEG EEEEEEGDDK DDYWREQQEK LEIEKRAIVE DHSLVAEEKM RLLKEKEKKM EDLRREKDAE EMLGAKIKAM ESKLLVGGKN IVDHTNEQQK ILEQKRQEIA EQKRREREIQ QQMESRDEET LELKETYSSL QQEVDIKTKK LKKLFSKLQA VKAEIHDLQE EHIKERQELE QTQNELTREL KLKHLIENF IPLEEKSKIM NRAFFDEEED HWKLHPITRL ENQQMMKRPV SAVGYKRPLS QHARMSMMIR PEARYRAENI</p>

## Product Details

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VLLELDMPSTR TTRDYEGPAI APKVQAALDA ALQDEDEIQV DASSFESTAN KKSKARPKSG  
RKSGSSSSSS GTPASQLYPQ SRGLVPK **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.**

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### 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.

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### Purity:

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

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### Grade:

custom-made

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## Target Details

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### Target:

KIF3B

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### Alternative Name:

KIF3B ([KIF3B Products](#))

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### Background:

Kinesin-like protein KIF3B (HH0048) (Microtubule plus end-directed kinesin motor 3B) [Cleaved into: Kinesin-like protein KIF3B, N-terminally processed],FUNCTION: Microtubule-based molecular motor that transport intracellular cargos, such as vesicles, organelles and protein complexes. Uses ATP hydrolysis to generate force to bind and move along the microtubule (By similarity). Plays a role in cilia formation (PubMed:32386558). Involved in photoreceptor integrity and opsin trafficking in rod photoreceptors (PubMed:32386558). Transports vesicles containing N-methyl-D-aspartate (NMDA) receptor subunit GRIN2A into neuronal dendrites (By similarity). {ECO:0000250|UniProtKB:Q61771, ECO:0000269|PubMed:32386558}.

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### Molecular Weight:

85.1 kDa

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## Target Details

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UniProt: [O15066](#)

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Pathways: [Hedgehog Signaling, M Phase](#)

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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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