

Datasheet for ABIN7563066  
**KIF3A Protein (AA 1-701) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	KIF3A
Protein Characteristics:	AA 1-701
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIF3A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Kif3a Protein expressed in mammalien cells.
Sequence:	MPINKSEKPE SCDNVKVVVR CRPLNEREKS MCYRQAVSVD EMRGITVHK TDSSNEPPKT FTFDTVFGPE SKQLDVYNLT ARPIIDSVLE GYNGTIFAYG QTGTGKTFTM EGVRAVPGLR GVIPNSFAHI FGHIKAEGD TRFLVRVSYL EIYNEEVRDL LGKDQTRLE VKERPDPGVY IKDLSAYVVN NADDMDRIMT LGHKNRSVGA TNMNEHSSRS HAIFTITIEC SEKGV DGNMH VRMGKHLHVD LAGSERQAKT GATGQRLKEA TKINLSLSTL GNVISALVDG KSTHVPYRNS KLTRLLQDSL GGNSKTMMCA NIGPADYNYD ETISTLRYAN RAKNIKNKAR INEDPKDALL RQFQKEIEEL KKKLEEGEEV SGSDISGSEE DDEEGELGED GEKKKKRRDQ AGKKKVSPDK MVEMQAKIDE ERKALETKLD MEEEEERNKAR AELERREKDL LKAQQEHQSL LEKLSALEKK VIVGGVDLLA KAAEQEKLE ESNMELEERR RRAEQLRKEL EEKEQERLDI EEKYTSLQEE AQGKTKKLLK VWTMLMAAKS EMADLQQEHQ REIEGLLENI RQLSRELRLQ MLIIDNFIPQ DYQEMIENYV HWNEDIGEWQ LKCVAYTGNN MRKQTPVPDK KERDPFEVDL SHVYLAYTEE

SLRQSLMKLE RPRTSKGKAR PKMGRRKRSA KPETVIDSLL Q **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:

KIF3A

### Alternative Name:

Kif3a ([KIF3A Products](#))

### Background:

Kinesin-like protein KIF3A (Microtubule plus end-directed kinesin motor 3A),FUNCTION: Microtubule-based anterograde translocator for membranous organelles. Plus end-directed microtubule sliding activity in vitro. Plays a role in primary cilia formation (PubMed:21670265). Plays a role in centriole cohesion and subdistal appendage organization and function. Regulates the formation of the subdistal appendage via recruitment of DCTN1 to the centriole. Also required for ciliary basal feet formation and microtubule anchoring to mother centriole (PubMed:23386061). {ECO:0000269|PubMed:21670265, ECO:0000269|PubMed:23386061}.

### Molecular Weight:

80.2 kDa

## Target Details

---

UniProt: [P28741](#)

---

Pathways: [Hedgehog Signaling](#)

---

## 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

---