

Datasheet for ABIN3131129

**KIAA0586 Protein (KIAA0586) (AA 1-1520) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	1 mg
Target:	KIAA0586
Protein Characteristics:	AA 1-1520
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIAA0586 protein is labelled with His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Sequence:	MKNVEFSLER GQRLKMPARK LREIVSPNQG NKLAVVEDEL PRVPPALAN KRLAVETRST SNGTLCGSLD LTSARLYHQP LLESPPASKK SDFSKDAVVR QLPLNKTEEN NAPKANDIFI SQYTMGQKDA LRTVLKQKAQ SMPVFKAVKV HLFEDTSTEK NTVAQETETP PNRIDSATTV AAATAAAIAT AAPLIKVSQSD LEAKVNCVGE LLTKLQETDK QLQRVTEHQA SVQSKQEKVH CHDHDQKQMA FMEQHIRHLE KLQQQQIDIQ THFIDAALKA SSLQLGMSTS RAVGKYSGKL GSPSVGSSVF SHNTFVSKRV PLS EDTDFG QKS PLETPAP RRFAPVPVSR DGKITKRESP TEEKENMEMN SPKGNVRLLE QVLNSNECLT RKTSSDITS LTQPKMGWNL EKRDSTETLH SQIFPSSEER GTAQVPVPKY NDVVHDLGQK KQASDMLQIK QSPVTLRLSD HPHNPALLQT TNTRSVLKDA AKILRGVQNN KKVLEENLEA IVRAKDGAAM YSFINALATN REMSEKIRIR KQVDEWIKII SAEIQDELMR KDYEQKRFPD KNQRNKKALT MSRDIAKANNQ EKTVNRSVIP RSHYQKQTQE QFTSPPVRNL PASGPQKERS GLLKSATTLQ DEDYMLQIYG KPVYQGHRST LKKGPYLRFS SPSPKAKPQR PRVIELVKGT KVKSATQTD FHAASRMKMD SKIQHPITAL
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PHADQQYMVS PSREMP TVSG TLEGHLIPMA ILLGQTQSNS DSMPPAGVTV NKPRPVTVT  
SIPPASRKGN AGVKKPNVAI VEMKSEKKDP PQLSVQILPS VDIDSVSYSS TDGASSPPSP  
KEASLPPLHT WIQTPDFMKV DEEEVPLPGT NFDEVIDVIQ EEEKRDEIPE CSAPMLEFNR  
SVKVVPTKYN GPSFPPVVA YHPTTDILDK VIERKETLEN SLIQWVEQEI MSRIISGLFP  
LQQQARLDAS VSVSEASEPS ASDIVAGTSS GALQRMVDAR VPVNSDMVSH FVNEALTETI  
AVMLADREAE RQRAAATSVP GDLSGTETNL LARVCAPVAT PQPTPPCSPS PVREHVRVKT  
PDSSPCESDP DAASSIKEIR VEKGSMPAV MLVSTPTRTP VATPPPAAL TPTLSETSID  
KLLSSPELP KPWDGDLPL DEENPNSLQE LPHPRVVMMS VANEEPESVD FSAQPAPPEP  
APSAPLPEGT KAPSLQRVPS SGSSTLENTL STVTETETLD RHISEGEILF SCGQNLATKR  
PGDLFLMNIN DLSSTLQDA LEMEDDPPSE GQVIRRP HKK RHEDAIVALL TKQQRELLVS  
QQEEDLDNSV GELSEGQRLV LKAAEDISAG PSGQMLPPTS PAEPSYQHAD PRLVLQQSDM  
ASGNICEDLC ASHGPM SLRE LELQPDSNLI LPITHTTTAV SDGNLPEAAE DFSQYQQKQD  
SDIKQVEHKP IQRHLTSVRN KPDSTLSQHQ GGPADLLLIA HVSPARMSVT LPSANLEDCS  
QSLSTSSMHG GTESSGTDTF

**Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.**

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### Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Talpid3 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded protein.

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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

## Product Details

	The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.
Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: <ol style="list-style-type: none"><li>1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.</li><li>2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.</li></ol>
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

## Target Details

Target:	KIAA0586
Alternative Name:	Talpid3 ( <a href="#">KIAA0586 Products</a> )
Background:	Required for ciliogenesis and sonic hedgehog/SHH signaling (PubMed:21750036). Required for the centrosomal recruitment of RAB8A and for the targeting of centriole satellite proteins to centrosomes such as of PCM1. May play a role in early ciliogenesis in the disappearance of centriolar satellites that precedes ciliary vesicle formation (By similarity). Involved in regulation of cell intracellular organization (PubMed:26386247). Involved in regulation of cell polarity (By similarity). Required for asymmetrical localization of CEP120 to daughter centrioles (PubMed:25251415). {ECO:0000250 UniProtKB:Q1G7G9, ECO:0000269 PubMed:21750036, ECO:0000269 PubMed:25251415, ECO:0000269 PubMed:26386247}.
Molecular Weight:	167.7 kDa Including tag.
UniProt:	<a href="#">E9PV87</a>

## 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.
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## Application Details

Comment: Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: 100 mM NaCl, 20 mM Hepes, 10% glycerol. pH value 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: Unlimited (if stored properly)

## Images



**Image 1.** „Crystallography Grade“ protein due to multi-step, protein-specific purification process