

Datasheet for ABIN7562116

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

Overview

Quantity:	1 mg
Target:	KIAA0586
Protein Characteristics:	AA 1-1520
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIAA0586 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Talpid3 Protein expressed in mammalian cells.
Sequence:	MKNVEFSLER GQRLKMPARK LREIVSPNQG NKLAVVEDEL PRVPPALAN KRLAVETRST SNGTLCGLSD LTSARLYHQP LLESPPASKK SDFSKDAVVR QLPLNKTEEN NAPKANDIFI SQYTMGQKDA LRTVLKQKAQ SMPVFKAVKV HLFEDTSTEK NTVAQETETP PNRIDSATTV AAATAAAIAT AAPLIKVQSD LEAKVNCVGE LLTKLQETDK QLQRVTEHQA SVQSKQEKVH CHDHDKQMNA FMEQHIRHLE KLQQQQIDIQ THFIDAALKA SSLQLGMSTS RAVGKYSGKL GSPSVGSSVF SHNTFVSKRV PLS EDTDFG QKSPLTPAP RRFAPVPVSR DGKITKRESP TEEKENMEMN SPKGNVRLLE QVLNSNECLT RKTSSDITS LTQPKMGWNL EKRDSTETLH SQIFPSSEER GTAQVPVPKY NDVVHDLGQK KQASDMLQIK QSPVTLRLSD HPHNPALLQT TNTRSVLKDA AKILRGVQNN KKVLEENLEA IVRAKDGAAM YSFINALATN REMSEKIRIR KQVDEWIKII SAEIQDELMR KDYEQKRFPD KNQRNKKALT MSRDIKANNQ EKTVNRSVIP RSHYQKQTQE QFTSPPVRNL PASGPQKERS GLLKSATTLQ DEDYMLQIYG KPVYQGHRST LKKGPYLRFS SPSPKAKPQR PRVIELVKGT KVKS AKTQTD FHAASRMKMD SKIQHPITAL

PHADQQYMVS PSREMP TVSG TLEGLHLPMA ILLGQTQSNS DSMPPAGVTV NKPRPVTVTT
SIPPASRKGN AGVKKPNVAI VEMKSEKKDP PQLSVQILPS VDIDSVSYSS TDGASSPPSP
KEASLPPLHT WIQTPDFMKV DEEEVPLPGT NFDEVIDVIQ EEEKRDEIPE CSAPMLEFNR
SVKVVPTKYN GPSFPPVSA YHPTTDILDK VIERKETLEN SLIQWVEQEI MSRIISGLFP
LQQARLDAS VSVSEASEPS ASDIVAGTSS GALQRMVDAR VPVNSDMVSH FVNEALTETI
AVMLADREAE RQRAAATSVP GDLSGTETNL LARVCAPVAT PQPTPPCSPS PVREHVRVKT
PDSSPCESDP DAASSIKEIR VEKGSMPAV MLVSTPTRTP VATPPPAAL TPTLSETSID
KLLKSSPELP KPWDSGDLPL DEENPNLQE LPHPRAVVMS 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. 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.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target:	KIAA0586
Alternative Name:	Talpid3 (KIAA0586 Products)
Background:	Protein TALPID3,FUNCTION: 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:	166.7 kDa
UniProt:	E9PV87

Application Details

Application Notes:	We expect the protein to work for functional studies. 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