

Datasheet for ABIN7553345

KIAA1009 (KIAA1009) (AA 1-1403) protein (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	KIAA1009
Protein Characteristics:	AA 1-1403
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant CEP162 Protein expressed in mammalian cells.
Sequence:	MANCSQEELD EEFQFMKEL SDDSFENSDK TARQSKKEMK KKDTVPWWIT EDDFKDDGLL GTNVSYLKTK KTSQPVMEIE EESAELIQFL KSSGTSLLST DSLETNELVV SELNHSSLGV GLDTLEEQEE KEQFFARLEK GLTSSIDYSR LNKELDSNDS THFKALHSNQ ANAELTDDEH ENESKHEELA ENYSDDFEDE YVGAPLTTKD EEMPSKENS SKISVVPKQE EEKTGMLANV VLLDSLDSVA EVNLDEQDKI TPKPRCLPEM TENEMTGTGV SYGQSSSDVE ALHQAYCHIA HSLGDEDKQK IESNTVEDIK SSVKGGHPQEN EENSKNISTM ESDLPTVEEL MKPIRIDSFG ISGFDLQPVS SEKVAERKET EFFSSLPLKM NPNILSQDSQ HVNLFFDKND ENVILQKTTN ESMENS CPQV TEVTATEEHV DKMYLNILRK KITVNSSSLS QDDKINKTYR SQLSSEEEGA VMGKQVPYKK ARSAPLLKR KPQSGLYASV RSSGYGKPSS PLKMFSTLEK KTSEDIKSK NLR SISTSNQ PRKKEILSGT KLIKPAALDK PAHKTESCLS TRKXSENPTD TDSCIQFQTD SLGYCGENKE KLLMFKRQV EAEDKWRGAQ ALIEQIKATF SEKEKELENK LEELKKQKEK ELFKLNQDNY ILQAKLSSFE ETNKKQRWLH FGAAADPVTG EKLKQIQKEI QEQETLLQGY

QQENERLYNQ VKDLQEQNKK NEERMFKENQ SLFSEVASLK EQMHKSRFLS QVVEDSEPTR
NQNFTDLLAE LRMAQKEKDS LLEDIKRLKQ DKQALEVDFE KMKKERDQAK DQIAYVTGEK
LYEIKILEET HKQEISRLQK RLQWYAENQE LLDKDALRLR EANEEIEKLK LEIEKLKAES
GNPSIRQKIR LKDKAADAKK IQDLERQVKE MEGILKRRYP NSLPALILAA SAAGDTV DKN
TVEFMEKRIK KLEADLEGKD EDAKSLRTM EQQFQKMKIQ YEQRLEQQEQ LLACKLNQHD
SPRIKALEKE LDDIKEAHQI TVRNLEAEID VLKHQNAELD VKKNDKDDDED FQSIEFQVEQ
AHAKAKLVRL NEELAACKRE IQDLSKTVER LQKDRRMMLS NQNSKGREEM SAKRAK KDVL
HSSKGNANSF PGTLD SKLYQ PHTFTDSHVS EVLQENYRLK NELEGLISEK NELKMKSEAV
MNQFENSMRR VKEDTAAHIA SLKASHQREI EKLLCQNAVE NSSSKVAELN RKIATQEVLI
RHFQSQVNEL QSKQESLVVS EVREEILQKE ITKLEELRE AKENHTPEMK HFVGLKMKIK
QMEMRHAQRE QELQQIIQQT HQVVETE QNK EVEKWKRLAQ LKNRELEKFR TELDSILDVL
RELHRQGVVV PVAFADEMNA PEY **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:	KIAA1009
Alternative Name:	CEP162 (KIAA1009 Products)
Background:	Centrosomal protein of 162 kDa (Cep162) (Protein QN1 homolog),FUNCTION: Required to promote assembly of the transition zone in primary cilia. Acts by specifically recognizing and binding the axonemal microtubule. Localizes to the distal ends of centrioles before ciliogenesis and directly binds to axonemal microtubule, thereby promoting and restricting transition zone formation specifically at the cilia base. Required to mediate CEP290 association with microtubules. {ECO:0000269 PubMed:23644468}.
Molecular Weight:	161.9 kDa
UniProt:	Q5TB80

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