

Datasheet for ABIN7564164

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

## Overview

Quantity:	1 mg
Target:	KIAA1009
Protein Characteristics:	AA 1-1403
Origin:	Mouse
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:	MAHYFKVDLD EEFERFMKEL SDDSFENSNK TPRQPNEDNK EMKKKDPVPW WIAEDDFEDD GLLGTNVSYL KTKKTYQPMV DTEESAIEKV QFLKSSGTSI LSVDLSLEANE LRVSEPHHST LGLGLDTLEE QEEKEQFFAR LEKGLTSSID YSKLNQELDS DDSAQLKALH RYPRNTEPAE DGCENESEQE ELPETYSDDF EDAEDADDPL ITKDEETHPK ENSESGKDSF PKQEEEEKTGM LANVVLLDSF DSVEDVGLSS QEKATPKAKA PPEITDDGPA ETGVPYQGSS GDTEALHQAY CHVAHSLGDT GEPRIEASTV QTVRSSIKDG LQENEESKN VSTTESDLPT VEELMQPIRI DSYGIRAFDL QPISLKKATD SKEAESVGS LPLKTNNTNTVS QDTRHAIQFP HKHDESIVLH RTADEGMGSS CPATEEHLDK MYLEILKTKT SVNPSLLPQD DKMNQTSRSQ LGAGEEVPVI GKQVPCKKAR STPSLPKRKP QSGLYASARS SGYKGPSSPL QLFSALEKKT SKDNTKTKSV RSIPTSNTQFR KREILSGTKL IKPAASNKPS PHREGSPATP KRPEDPSDDS FVQLQTEPLG SYGGNREKEL LMLKRAQDAE EKWTGAQALM EQMKMTFCEK EKELENTVES LKRQQRERLF RLNQENYILQ AKLSSFEETS RKQRWLQFGE TSDPLTGEKL KQIQKEIQEQ ETLQGYQQE

NERLYNQVKD LQEQNKKNEE RMFKENQQLF SELASLKEQM HKNHFLSQAV ENTEPTKNQS  
FTDLLAELRA AQKEKNHLM E DIKRLKQDKQ ALEVDLEKVK RERDQAKDQI AYATGEKLYE  
IKILEETHKQ EVSRLQKRLQ WYAENQELLD RDAARLREAN EETEKLRLEI EKLKTESGSP  
ATQQLRSKE RALDAKRIQD LERQVKEMEG ILKRRYPNSL PALILAASAA GDSVDRNTVE  
FMERRIKKLE ADLEGKDEEA KKSLRTMEQQ FQKMKIQYEQ RLEEQEQLLA HRQKEAPQSQ  
RNSSSRKAL ETELGDIKEA HQITVRKLEA EIDVLKHQNA DLEHKKNDKG DQGLQSIEFQ  
VEQAQARAKL ARLNEELAAK GREIQDLTKT VERLQKERRM MLRQIPRSR EETAARKLKK  
DPNRGHGNAF PETLDGKLYH PHTFTDSHIS EVLEENYRLR SELEGLILER SKLKMESEAA  
VCQLENSMKR VKDDAAAHIA SLKASHEREI EKLLCQNAIE NSSSKVAELN RKIATQEVLL  
KHFQGGVNEL QGKQESLAVS QVREEILQKQ ITKLLEELKE AKENHTPEMK HFMGLERKIK  
QMEMRHRQRE QELQQIIQQT RQVVETE QNK EVEKWKRLAQ LKNRELDKFR TELDSILDVL  
RELHRQGVVV PMALAGEENT AEF **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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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.

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

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Grade: custom-made

## Target Details

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Target:	KIAA1009
Alternative Name:	Cep162 ( <a href="#">KIAA1009 Products</a> )
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 (By similarity). {ECO:0000250}.
Molecular Weight:	160.9 kDa
UniProt:	<a href="#">Q6ZQ06</a>

## Application Details

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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

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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