

Datasheet for ABIN7553012
CCDC40 Protein (AA 1-1142) (His tag)



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Overview

Quantity:	1 mg
Target:	CCDC40
Protein Characteristics:	AA 1-1142
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCDC40 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CCDC40 Protein expressed in mammalian cells.
Sequence:	MAEPGGAAGR SHPEDGSASE GEKEGNESH MVSPPEKDDG QKGEEAVGST EHPEEVTQA EAAIEEGEVE TEGEAAVEGE EEAHSVYDAE SVEEYTYTET SSPEGQISAA DTTYPYFSP QELPGEEAYD SVSGEAGLQG FQQEATGPPE SRERRVTSPE PSHGVLGPSE QMGQVTSGPA VGRLTGSTEE PQGQVLPMPV QHRFRLSHGS DISSDLEEF VSQEPVPPG VPDHAPREGD LPVFQDQIQ PSTEEGAMAE RVESEGSDEE AEDEGSQLVV LDPDHPLMVR FQAALKNYLN RQIEKLLDL QELVVATKQS RAQRQELGVN LYEVQQLVH LQKLEKSHD RHAMASSERR QKEEELQAAR ALYTKTCAA NEERKKLAL QTEMENLALH LFYMQNIDQD MRDDIRVMTQ VVKKAETERI RAEIEKKKQD LYVDQLTTRA QLEEDIALF EAQYLAQAE TRILRKAVSE ACTEIDAISV EKRRIMQQA SSLVGMKHRD EAHRAVLEAL RGCQHAKST DGEIEAYKKS IMKEEEKNEK LASILNRTET EATLLQKLT QCLTKQVALQ SQFNTYRLTL QDTEALSQD QLEQMILTEE LQAIRQAIQG EELRRKTD AIREKLQEHM TSNKTTKYFN QLILRLQKEK TNMMTHLSKI NGDIAQTTLT ITHTSSRLDA HQKTLVELDQ DVKKVNELIT NSQSEISRRT

Product Details

ILIERKQGLI NFLNKQLERM VSELGGEEVG PLELEIKRLS KLIDEHDGKA VQAQVTWLRL
QQEMVKVTQE QEEQLASLDA SKKELHIMEQ KKL RVESKIE QEKKEQKEIE HHMKDLNDL
KKLNMLMNKN RCSSEELEQN NRVTENEFVR SLKASERETI KMQDKLNQLS EEKATLLNQL
VEAEHQIMLW EKKIQLAKEM RSSVDSEIGQ TEIRAMKGEI HRMKVRLGQL LKQQEKMIRA
MELAVARRET VTTQAEQQRK MDRKALTRTD FHHKQLELRR KIRDVRKATD ECTKTVLELE
ETQRNVSSSL LEKQEKLSVI QADFDTLEAD LTRLGALKRQ NLSEIVALQT RLKHLQAVKE
GRYVFLFRSK QSLVLERQRL DKRLALIATI LDRVRDEYPQ FQEALHKVSQ MIANKLESPG PS

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: CCDC40

Alternative Name: CCDC40 ([CCDC40 Products](#))

Background: Coiled-coil domain-containing protein 40,FUNCTION: Required for assembly of dynein

Target Details

regulatory complex (DRC) and inner dynein arm (IDA) complexes, which are responsible for ciliary beat regulation, thereby playing a central role in motility in cilia and flagella (PubMed:21131974). Probably acts together with CCDC39 to form a molecular ruler that determines the 96 nanometer (nm) repeat length and arrangements of components in cilia and flagella (By similarity). Not required for outer dynein arm complexes assembly. Required for axonemal recruitment of CCDC39 (PubMed:21131974). {ECO:0000250|UniProtKB:A81QT2, ECO:0000269|PubMed:21131974}.

Molecular Weight: 130.1 kDa

UniProt: [Q4G0X9](#)

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