Datasheet for ABIN7564490

CCDC79 Protein (AA 1-768) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	CCDC79
Protein Characteristics:	AA 1-768
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCDC79 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Terb1 Protein expressed in mammalian cells.
Sequence:	MESEKPKKTQ EMKTDLKLLL ECLKYHMGNP LSQKEVLITI HSVCKQNSDA GIYFREIGGL MFIINLAKSS EQSLVKEAAL YTLGSIAEEN VYCQQSLCTS ELFQDLTGLL TNDDSNTNLK RMSVYVLLVL VSNNRNGQTL VREVGCIEVL SQMFRTVLSN YELNLSDNSV FQSYLLWSSV CSTLCVCVNN PQNDENQMLC CSLFPCVNEW LMNCMRPEVI RPICSFIGLT LANNTHAQNC FVSSGGLDVL CQVLVQLESD SHNTLSSAKL AVIVTKTMDA CITDNSAAFT VVLSKYHIVS TLLALLLHES LDSREKFSII LAIGHCTEDC EKNQYELLKN NGLPLMIQAL TEFKNEDLSK AATYVLHNCK KITGKLSLSL GQNSFGENEI ELKDISEKET LREHWKAAKE ILCRIKQFEK GGKEEKQQNR SGHYKDNTPS MKVNIQTNLK RLCADSTGGT RAEDKDINQS RELRSYKPSE IMSKACANEN QLTTRKKNTN PVHPFCKEKG QSKIVHETTP SCAQNLDKEK TFDQKDSVSQ SSDQVLKHLP HTVKNRKQVP ETDPFTLCLD IIDREVGIQA TDSCSRMLKY TCSGCIVARK LLNSRNFSKF LHSCAYQCVH HKVIMEAEDK YKNELRKTFI CAKKILLTPC RRRQLCKEST ASEELKIVHQ KPDSKKLPGL EAQALNTSIP EAMERRSPVP GQSGLHKKRR IRKDFTKEEV

Product Details

	NYLFHGVKTM GNHWNSILWS FPFQKGRRAV DLAHKYHRLI KGPSCAAL **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:	CCDC79
Alternative Name:	Terb1 (CCDC79 Products)
Background:	Telomere repeats-binding bouquet formation protein 1 (Coiled-coil domain-containing protein 79),FUNCTION: Meiosis-specific telomere-associated protein involved in meiotic telomere attachment to the nucleus inner membrane, a crucial step for homologous pairing and synapsis (PubMed:24885367, PubMed:24413433, PubMed:26548954). Component of the MAJIN-TERB1-TERB2 complex, which promotes telomere cap exchange by mediating attachment of telomeric DNA to the inner nuclear membrane and replacement of the protective cap of telomeric chromosomes: in early meiosis, the MAJIN-TERB1-TERB2 complex associates with telomeric

Target Details

	DNA and the shelterin/telosome complex. During prophase, the complex matures and promotes release of the shelterin/telosome complex from telomeric DNA (PubMed:26548954). In the MAJIN-TERB1-TERB2 complex, TERB1 probably mediates association with the shelterin/telosome complex via interaction with TERF1, promoting priming telomeric DNA attachment' (PubMed:26548954). Promotes telomere association with the nuclear envelope and deposition of the SUN-KASH/LINC complex (PubMed:24885367, PubMed:24413433). Also recruits cohesin to telomeres to develop structural rigidity (PubMed:24413433). {ECO:0000269|PubMed:24413433, ECO:0000269|PubMed:26548954, ECO:0000305|PubMed:24885367}.
Molecular Weight:	86.8 kDa
UniProt:	Q8C0V1

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

