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Datasheet for ABIN7557329

C14orf45 Protein (AA 1-533) (His tag)

Overview

Quantity:	1 mg
Target:	C14orf45 (CCDC176)
Protein Characteristics:	AA 1-533
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C14orf45 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Bbof1 Protein expressed in mammalian cells.
Sequence:	<p>MPAKDKRKDK RKDKRKGKNK GKEPKKIIKS DEPAIERAKA NASLWEARLE VTELSRIEYR DTSRRLAKNN EDLKKQQYNM EKDIMSVLSY LKKQDQEKDN MIEKLLKQQLA KTKKAQEEK EKLEQKYALQ VSELEGQFHQ KAKEIGMIQT ELKTIKQFQK RKIQVEKELD DLKENLRNSE KNYQETLRRLESRFFEEKHR LEQEAERKRII MLAERAHHEA VVQLNTAGRN VFKENVYLHK ALAYHLKEAE ILQQNSKKIE ENHSCLLQK EINDLLVKEK IMQLTQQKSQ IQLTQKKVVS LENALTYMTT EFEAEVLKLQ QKAIENQAG LVEIDKLQQL LQMKDREMNR VKRLAKNILD ERTEVEQFFL DALYEVKQI LASRKHYKQI AQAANLKMRAACAGKTEYP RIRTFDGKEQ STNSVNQDLL EAEKWPTTQK NVDIRDLTWE QKEKVLRLLF AKMNGFAARK YSQSSKPPVP DHIIYSGGEM KETGDENLL DQTFITQQAP VSDSNRMVSP DVIPOGLQDS DIA 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.</p>

Product Details

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: C14orf45 (CCDC176)

Alternative Name: Bbof1 ([CCDC176 Products](#))

Background: Basal body-orientation factor 1 (Coiled-coil domain-containing protein 176),FUNCTION: Plays an essential role in sperm motility and male fertility by stabilizing the sperm flagellar axonemal structure. May be required for the stability of ODF2 and MANS1 proteins. Dispensable for the assembly and function of motile cilia. {ECO:0000269|PubMed:37198331}.

Molecular Weight: 62.5 kDa

UniProt: [Q3V079](#)

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.

Application Details

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