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Datasheet for ABIN7553456

C3orf34 Protein (AA 1-163) (His tag)

Overview

Quantity:	1 mg
Target:	C3orf34
Protein Characteristics:	AA 1-163
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C3orf34 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CEP19 Protein expressed in mammalian cells.
Sequence:	MMCTAKKCGI RFQPPAILLI YESEIKGKIR QRIMPVRNFS KFSDCTRAAE QLKNNPRHKS YLEQVSLRQL EKLFSLRGY LSGQSLAETM EQIQRETTID PEEDLNKLDD KELAKRKSIM DELFEKNQKK KDDPNFVYDI EVEFPQDDQL QSCGWDTESA DEF 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: <ul style="list-style-type: none">• 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

Product Details

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:	C3orf34
Alternative Name:	CEP19 (C3orf34 Products)
Background:	Centrosomal protein of 19 kDa (Cep19),FUNCTION: Required for ciliation (PubMed:28625565, PubMed:28428259, PubMed:28659385). Recruits the RABL2B GTPase to the ciliary base to initiate ciliation. After specifically capturing the activated GTP-bound RABL2B, the CEP19-RABL2B complex binds intraflagellar transport (IFT) complex B from the large pool pre-docked at the base of the cilium and thus triggers its entry into the cilia (PubMed:28625565, PubMed:28428259). Involved in the early steps in cilia formation by recruiting the ciliary vesicles (CVs) to the distal end of the mother centriole where they fuse to initiate cilium assembly. Involved in microtubule (MT) anchoring to the centrosomes (PubMed:28659385). {ECO:0000269 PubMed:28428259, ECO:0000269 PubMed:28625565, ECO:0000269 PubMed:28659385}.
Molecular Weight:	19.2 kDa
UniProt:	Q96LKO

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.
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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