

Datasheet for ABIN7559433
TBC1D23 Protein (AA 1-684) (His tag)



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Overview

Quantity:	1 mg
Target:	TBC1D23
Protein Characteristics:	AA 1-684
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TBC1D23 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tbc1d23 Protein expressed in mammalian cells.
Sequence:	MAEGEELLPL STSGGDSWEK DLEEAL EAGG CDLETLRNII QGRPLPAELR AKVWKIALNV AGKGDSL ASW DGILDLPEQN TIHKDCLEFI EQLSVPEEKA AELLLDIESV ITFYCKSR SV KYSTLSWIH LLKPLICLQL PRSDLYNCFY AVMNKYIPRD CSLKGRPFHL FRLLIQYHEP ELCSFLDTKK ITPDSYALNW LGS LFAHYCS TEVTQAIWDG YLQQADPFFI YFLMLLILVN TKEVILAQES DSKEEVIRFL ESTPASLNLE DIEDLFSLAQ YYCSKTPASF RKDNHHLFGS TLLGIKDDEA DLSQALCLAV SVSEILQANQ LQEGEV RFFV VDCRPAEQYN AGHLATAFHL DSDLMLQNPS EFAQSVKSLLEAQKQSIESG SIAGGEHL CF MSGGREEEDM YMNMLAHFL QKNKEYVSIA SGGFMALQQH LADINVEGPE SGYGHWIAST SGRGSISSV DGESCNGSND RGMKSLVSKM TVALKTKSVT VREKVISFIE NSSTPVDRHV SSSDRVGKPY RGVKPVFSIG DEEYDTDEI DSSMSDDDR KEVNIQTWI NKPDIKHHFP CKEVKESGHM FPSHLLVTAT HMYCLREILS RKGLAYIQSR QALNSVVKIT SKKKHPELIT FKYGNSSASG IEILAIERYL IPNAGDATRA IKQQIMKVLD ALES Sequence without tag. The proposed Purification-Tag is

Product Details

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: TBC1D23

Alternative Name: Tbc1d23 ([TBC1D23 Products](#))

Background: TBC1 domain family member 23,FUNCTION: Putative Rab GTPase-activating protein which plays a role in vesicular trafficking. Involved in endosome-to-Golgi trafficking. Acts as a bridging protein by binding simultaneously to golgins, including GOLGA1 and GOLGA4, located at the trans-Golgi, and to the WASH complex, located on endosome-derived vesicles (PubMed:29084197). Together with WDR11 complex facilitates the golgin-mediated capture of vesicles generated using AP-1 (By similarity). Plays a role in brain development, including in cortical neuron positioning. May also be important for neurite outgrowth, possibly through its involvement in membrane trafficking and cargo delivery, 2 processes which are essential for axonal and dendritic growth (PubMed:28823707). May act as a general inhibitor of innate

Target Details

immunity signaling, strongly inhibiting multiple TLR and dectin/CLEC7A-signaling pathways. Does not alter initial activation events, but instead affects maintenance of inflammatory gene expression several hours after bacterial lipopolysaccharide (LPS) challenge (PubMed:22312129). {ECO:0000250|UniProtKB:Q9NUY8, ECO:0000269|PubMed:22312129, ECO:0000269|PubMed:28823707, ECO:0000269|PubMed:29084197}.

Molecular Weight: 76.4 kDa

UniProt: [Q8K0F1](#)

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