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Datasheet for ABIN7555704

TBC1D4 Protein (AA 1-1298) (His tag)

Overview

Quantity:	1 mg
Target:	TBC1D4
Protein Characteristics:	AA 1-1298
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TBC1D4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat TBC1D4 Protein expressed in mammalien cells.
Sequence:	MEPPSCIQDE PFPHPLEPEP GVSAQPGPGK PSDKRFRLWY VGGSCLDHRT TLPMLPWLMA EIRRRSQKPE AGGCGAPAAR EVILVLSAPF LRCVPAPGAG ASGGTSPSAT QNPVAVFIFE HKAQHISRFI HNSHDLTYFA YLIKAQPDDP ESQMACHVFR ATDPSQVPDV ISSIRQLSKA AMKEDAKPSK DNEDAFYNSQ KFEVLYCGKV TVTHKKAPSS LIDDCMEKFS LHEQQLKIQ GEQRGPDPE DLADLEVVP GSPGDCLPEE ADGTDTHLGL PAGASQPALT SSRVCFPERI LEDSGFDEQQ EFRSRCSSVT GVQRRVHEGS QKSQPRRHA SAPSHVQPSD SEKNRTMLFQ VGRFEINLIS PDTKSVVLEK NFKDISSCSQ GIKHVDHFGF ICRESPEPGL SQYICYVFQC ASESLVDEVM LTLKQAFSTA AALQSAKTQI KLCEACPMHS LHKLCERIEG LYPPRAKLVI QRHLSSLTDN EQADIFERVQ KMKPVSDQEE NELVILHLRQ LCEAKQKTHV HIGEGPSTIS NSTIPENATS SGRFKLDILK NKAKRSLTSS LENIFSRGAN RMRGRLGSVD SFERSNSLAS EKDYSPGDSP PGTPPASPPS SAWQTFPEED SDSPQFRRRA HTFSHPPSST KRKLNLDQGR

Product Details

AQGVRSPLLR QSSSEQCSNL SSVRRMYKES NSSSSLPSLH TSFSAPSFTA PSFLKSFYQN
SGRLSPQYEN EIRQDTASES SDGEGRKRTS STCSNESLSV GGTSVTPRRI SWRQRIFLRV
ASPMNKSPSA MQQQDGLDRN ELLPLSPLSP TMEEEPLVVF LSGEDDPEKI EERKKSKELR
SLWRKAIHQQ ILLLRMEKEN QKLEASRDEL QSRKVKLDYE EVGACQKEVL ITWDKLLNC
RAKIRCDMED IHTLLKEGVP KSRRGEIWQF LALQYRLRHR LPNKQQPPDI SYKELLKQLT
AQQHAILVDL GRTFPTHYPF SVQLGPGQLS LFNLLKAYSL LDKEVGYCQG ISFVAGVLLL
HMSEEQAFEM LKFLMYDLGF RKQYRPDMMS LQIQMYQLSR LLHDYHRDLY NHLEENEISP
SLYAAPWFLT LFASQFSLGF VARVFDIIFL QGTEVIFKVA LSLSSQETL IMECESFENI
VEFLKNTLPD MNTSEMEKII TQVFEMDISK QLHAYEVEYH VLQDELQESS YSCEDSETLE
KLERANSQK RQNMDLLEKL QVAHTKIQUAL ESNLENLLTR ETKMKSLIRT LEQEKMAYQK
TVEQLRLLP ADALVNC DLL LRDLCNPNN KAKIGNKP **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

TBC1D4

Target Details

Alternative Name:	TBC1D4 (TBC1D4 Products)
Background:	TBC1 domain family member 4 (Akt substrate of 160 kDa) (AS160),FUNCTION: May act as a GTPase-activating protein for RAB2A, RAB8A, RAB10 and RAB14. Isoform 2 promotes insulin-induced glucose transporter SLC2A4/GLUT4 translocation at the plasma membrane, thus increasing glucose uptake. {ECO:0000269 PubMed:15971998, ECO:0000269 PubMed:18771725, ECO:0000269 PubMed:22908308}.
Molecular Weight:	146.6 kDa
UniProt:	O60343

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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