

Datasheet for ABIN7564465  
**TBC1D4 Protein (AA 1-1307) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TBC1D4
Protein Characteristics:	AA 1-1307
Origin:	Mouse
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:	MESPSCIQDE PFPHPLEPEP SAPAQPGATK PGDKRFRLWY VGGSCLDLRR TLPMLPWLMA EIRRRSQKPD AGGCGAPAAR EVILVLSAPF LRCVPAPGAG VGGGAGSGAV QPNTGVFIFE HKAQHISRFI HNSHDLYFA YLIKAQPDDP ESQMACHVFR ATDPNQVPDV ISSIRQLSKA AMKEDSKPSK DNEDAFYNSQ KFEVLYCGRV IVTHKKAPSS LIDDCKDKFS LHEQQRLKLO GERGGDPGDE MGVLEVESPV SPDDSLPEKA DGTVNSPRAL PSLASLPALA SQPALASSRV CFPERILEDC GFDEQQEFRS RCSSVTGVMQ KKVHENNQKT QPRRRHASAP SHVQPSDSEK NRTMLFQVGR FEINLISPDT KSVVLEKNFK DISSCSQGIK HVDHFGFICR ESPEPGLSQY ICYVFQCANE SLVDEVMLTL KQAFSTAAAL QSAKTQIKLC ETCPMHSLHK LCERIEGLYP PRAKLVQRH LSSLTDNEQA DIFERVQKMK PISDQEENEL VILHLRQLCE AKQORTHVHIG EGPAIISNST IPENVTSGGR FKLDVLKNKA KRSLTSSLEN IFSRGANRMR GRLGSMDSFE RANSLASEKD FSPGDSPPGT PPASPLSSAW HAFPEEDSDS PQFRRAHTF SHPPSSRRK

## Product Details

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LNLQDGKAHG LRSPLLRQSS SEQCSIVPSA RRMKYKESNSS CSLPSLHTSF SAPSFTAPSF  
LKSFYQNSGR LSPQYENEIR QDTASESSDG EGRKRTSSTC SNESLNAGGT PVTPRRVSWR  
QRIFLRVASP VNKSPSAMQQ QKDGLDRTEL LPLSPLSPTM EEEPLIIFLS GDEDTEKVEE  
KKKSKELKSL WKKAIHQIL LLRMEKENQK LEEARRDELQ SRKVKLDYEE VGTCQKEILI  
AWDKLLNCR TKIRCDMEDI HTSLKEGVPK SRRGEIWQFL ALQYRLRHRL PNKHQPPDTS  
YKELLKQLTA QQHAILVDLG RTFPTHYFYS VQLGAGQLSL FNLLKAYSLL DKEVGYCQGI  
SFVAGVLLH MSEEQAFEML KFLMYDLGFR KQYRPDMMSL QIQMYQLSRL LHDYHRELYN  
HLEENEISPS LYAAPWFLTL FASQFPLGFV ARVFDIIFLQ GTEVIFKVAL SLLSSQEALI  
MECENFENIV EFLKSTLPDM NTTEMEKIIT QVFEMDISKQ LHAYEVEYHV LQDELLESSY  
ACEDNESLEK LERANNQLKR QNMDLLEKLQ VAHAKIQALE SNLETLLTRE TKMKALIRTL  
EQDKMAYQKT VEQIRKLLPA DALANCELLL KDLTHPTNDK AKAGNKP **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.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

TBC1D4

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## Target Details

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Alternative Name:	Tbc1d4 ( <a href="#">TBC1D4 Products</a> )
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. Promotes insulin-induced glucose transporter SLC2A4/GLUT4 translocation at the plasma membrane, thus increasing glucose uptake (By similarity). {ECO:0000250}.
Molecular Weight:	147.5 kDa
UniProt:	<a href="#">Q8BYJ6</a>

## Application Details

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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

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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