

Datasheet for ABIN7557970  
**TBC1D31 Protein (AA 1-996) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TBC1D31
Protein Characteristics:	AA 1-996
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TBC1D31 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Tbc1d31 Protein expressed in mammalian cells.
Sequence:	<p>MQSTD LGNKE SGKIWHRKPS PATHDGIIVN IVHSTSEYHP KVLRF LNVA F DGSGDSFIAG DHQGN IYVFD LHGNRFNLVQ RTA QACTALA FNLRRKSEFL VALADYSIKC FDTVTKELVS WMRGHESSVC SISVHASGRY AITTSSDTAQ LWDLDTFQRK RKLNIRQSVG IQKVFFLPLS NTILSCFKDN SIFAWECDTL FCKYQLPGPP EGSNILYKVF AVTRDGRILA AGGKSNHLHL WCLEATGLFR IIQMPAKVRA VRHLEFLPDS FDAGSNQVLG VLSQDGIMRF VNIQTCKLLF EIGTVEEGIS SSVISPHGRY IASIMENGSL NVYSVQALTQ EINKPPPPLV KVIEDLPSNT VSSSNLKMKI MPGRVQRPAR CKESKIPTRV LKQDLTGDLE NKENELSEGL NKKRLQILLK GYGEYPTKYR MFIWRSLQL PENHTAFSSL VDKGTHAAYL SLQKKYPIKS RKLRLVLQRT LSALAHWSAI FSDTPYLPLL AFPFVKLFQN NQLICFEVVA TLIINWCQHW FEYFPNPPIN ILSMIENVLA FHDKELLQHF IDR DITSQVY AWPLLETLFS EVLTREEWLR LFDNIFSNHP SFLLM TVWAY STCSRAPLLN CTLKNDFEYF FHHRNNDIN VVIREVYHLM ETT PADIHPN SMLDAFVALT KGQYPIFNQY PKFIVDYQTR EWERIRNDEL DFLRERQTVE NMQAEVDEQR</p>

## Product Details

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AKDEAWYQKQ ELLRRAEETR REILLQEEEEK MAQQRQLAA VKRELEIKEI HLQDAARRRL  
LKLQQDQREM ELRRLEDEIE RKVQMRDQEI AATAKDLEIR QLELEAQKRL YEKDLTTSQE  
AVAKEIREDT DAHRRKAALE EHMFKLLEN SQMGGRRAQR WKEAEEKEFH LQSAKKASAL  
SDASRKWFLR QETSAALEHE EMPWLQRQYM DSAYLPQTSR LHDVSDMDPS THIFSRNYPT  
EWNHMEHDLL KNVRDLRRRL TARARNSCRH PHLLVT **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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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.

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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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: TBC1D31

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Alternative Name: Tbc1d31 ([TBC1D31 Products](#))

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Background: TBC1 domain family member 31 (Protein 4-B-3) (WD repeat-containing protein 67),FUNCTION: Molecular adapter which is involved in cilium biogenesis. Part of a functional complex including OFD1 a centriolar protein involved in cilium assembly. Could regulate the cAMP-dependent

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phosphorylation of OFD1, and its subsequent ubiquitination by PJA2 which ultimately leads to its proteasomal degradation. {ECO:0000250|UniProtKB:Q96DN5}.

Molecular Weight: 115.8 kDa

UniProt: [Q6NXY1](#)

## Application Details

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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

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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