

Datasheet for ABIN3096004

## TRAPPC10 Protein (AA 1-1259) (Strep Tag)



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### 1 Image

#### Overview

Quantity:	1 mg
Target:	TRAPPC10 (TMEM1)
Protein Characteristics:	AA 1-1259
Origin:	Human
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRAPPC10 protein is labelled with Strep Tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA

#### Product Details

Sequence:	MDASEEPLPP VIYTMENKPI VTCAGDQNLF TSVYPTLSQQ LPREPMWRR SYGRAPKMIH LESNFVQFKE ELLPKEGNKA LLTFPFLHIY WTECCDTEVY KATVKDDLTK WQNVLKAHSS VDWLIVIVEN DAKKKNKNTNI LPRTSIVDKI RNDFCNKQSD RCVVLSGPLK DSSRTQESWN AFLTKLRTLL LMSFTKNLKG FEDDMRTLRE KRTEPGWSFC EYFMVQEELA FVFEMLQQFE DALVQYDELD ALFSQYVNF GAGDGANWLT FFCQPVKSWN GLILRKPIDM EKRESIQRRE ATLLDLRSYL FSRQCTLLL LQRPWEVAQR ALELLHNCVQ ELKLLVESVP PGALDCWVFL SCLEVLQRIE GCCDRAQIDS NIAHTVGLWS YATEKLKSLG YLCGLVSEKG PNMEDLNRTV DLLAGLGAER PETANTAQSP YKKLKEALSS VEAFAEKHYLD LSHATIEMYT SIGRIRSAKF VGKDIAEFYM RKKAPQKAEI YLQGALKNYL AEGWALPITH TRKQLAECQK HLGQIENYLQ TSSLLASDHH LTEEERKHFC QEILDFASQP SDSPGHKIVL PMHSFAQLRD LHFDPNSAVV HVGGLVCEVI TMYSQMPVPV HVEQIVNVH FSIEKNSYRK TAEWLTKHKT SNGIINFPE TAPFPVSQNS LPALELYEMF ERSPSDNSLN TTGIICRVNH MLLRRQESSS SLEMPSGVAL
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EEGAHLVLRCS HVTLEPGANQ ITFRTQAKEP GTYTLRQLCA SVGSVWFVLP HIYPVQYDV  
YSQEPQLHVE PLADSLLAGI PQRVKFTVTT GHYTIKNGDS LQLSNAEAML ILCQAESRAV  
VYSNTREQSS EAALRIQSSD KVTSISLPVA PAYHVIEFEL EVLSLPSAPA LGGESDMLGM  
AEPHRKHKDK QRTGRMVT T DHKVSIDCPW SIYSTVIALT FSVPFRTTHS LLSSGTRKYV  
QVCVQNLSEL DFQLSDSYLV DTGDSTDLQL VPLNTQSQQP IYSKQSVFFV WELKWTEEPP  
PSLHCRFSVG FSPASEEQLS ISLKPYYEF KVENFFTLYN VKAEIFPPSG MEYCRTGSLC  
SLEVLITRLS DLLEVDKDEA LTESDEHFST KLMYEVVDNS SNWAVCGKSC GVISMPVAAR  
ATHRVHMEVM PLFAGYLPLP DVRLFKYLP HSAHSSQLDA DSWIENDSLS VDKHGDDQPD  
SSSLKSRGSV HSACSSEHKG LPMPRLQALP AGQVFNSSSG TQVLVIPSQD DHVLEVSVT

**Sequence without tag. The proposed Strep-Tag is based on experience s 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 in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified by multi-step, protein-specific process to ensure correct folding and modification.
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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 will ensure that you receive a correctly folded protein.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

## Product Details

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### Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

### Purification:

Two step purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®):

1. In a first purification step, the protein is purified from the cleared cell lysate using StrepTag capture material. Eluate fractions are analyzed by SDS-PAGE.
2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.

### Purity:

>80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.

### Endotoxin Level:

Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)

### Grade:

Crystallography grade

## Target Details

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### Target:

TRAPPC10 (TMEM1)

### Alternative Name:

TRAPPC10 ([TMEM1 Products](#))

### Background:

Trafficking protein particle complex subunit 10 (Epilepsy holoprosencephaly candidate 1 protein) (EHOC-1) (Protein GT334) (Trafficking protein particle complex subunit TMEM1) (Transport protein particle subunit TMEM1) (TRAPP subunit TMEM1),FUNCTION: Specific subunit of the TRAPP (transport protein particle) II complex, a highly conserved vesicle tethering complex that functions in late Golgi trafficking as a membrane tether.  
{ECO:0000269|PubMed:11805826, ECO:0000269|PubMed:31467083, ECO:0000269|PubMed:35298461}.

### Molecular Weight:

142.2 kDa

### UniProt:

[P48553](#)

## Application Details

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### Application Notes:

In addition to the applications listed above we expect the protein to work for functional studies

## Application Details

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as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Comment:

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Restrictions:

For Research Use only

## Handling

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Format:

Liquid

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Buffer:

The buffer composition is at the discretion of the manufacturer. If you have a special request, please contact us.

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Handling Advice:

Avoid repeated freeze-thaw cycles.

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Storage:

-80 °C

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Storage Comment:

Store at -80°C.

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Expiry Date:

Unlimited (if stored properly)



**Image 1.** „Crystallography Grade“ protein due to multi-step, protein-specific purification process