

Datasheet for ABIN3096027

## TRAPPC8 Protein (AA 1-1435) (Strep Tag)



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### 1 Image

#### Overview

Quantity:	1 mg
Target:	TRAPPC8
Protein Characteristics:	AA 1-1435
Origin:	Human
Source:	Tobacco ( <i>Nicotiana tabacum</i> )
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRAPPC8 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

#### Product Details

Sequence: MAQCVQSVQE LIPDSFVPCV AALCSDEAER LTRLNHLSFA ELLKPF SRLT SEVHMRDPNN  
 QLHVIKNLKI AVSNIVTQPP QPGAIRKLLN DVVSGSQPAE GLVANVITAG DYDLNISATT  
 PWFESYRETF LQSPALDHE FLNHYLACML VASSSEAEPV EQFSKLSQEQ HRIQHNSDYS  
 YPKWFIPNTL KYYVLLHDVS AGDEQRAESI YEEMKQKYGT QGCYLLKINS RTSNRSADQ  
 IPDPWSQYLQ KNSIQNQESY EDGPCTITSN KNSDNNLLSL DGLDNEVKDG LPNNFRAHPL  
 QLEQSSDP SN SIDGPDHLRS ASSLHETKKG NTGIIHGACL TLDHDIRIQ FIEFTFRGL  
 LPHIEKTIRQ LNDQLISRKG LSRSLFSATK KWFGSGKVPE KSINDLKNTS GLLYPPEAPE  
 LQIRKMADLC FLVQHYDLAY SCYHTAKKDF LNDQAMLYAA GALEMAAVSA FLQPGAPRPY  
 PAHYMDTAIQ TYRDICKNMV LAERCVLLSA ELLKSQSKYS EAAALLIRLT SEDSDLRSAL  
 LLEQAAHCFI NMKSPMVRKY AFHMILAGHR FSKAGQKKHA LRCYCQAMQV YKGGWLSLAE  
 DHINFTIGRQ SYTLRQLDNA VSAFRHILIN ESKQSAAQGG AFLREYLYVY KNVSQLSPDG  
 PLPQLPLPYI NSSATRVFFG HDRRPADGEK QAATHVSLDQ EYDSESSQQW RELEEQVSV

VNKGVIPSNF HPTQYCLNSY SDNSRFPLAV VEEPITVEVA FRNPLKVL LLDLSLLWKF  
HPKDFSGKDN EEVKQLVTSE PEMIGAEVIS EFLINGEESK VARLKLFP HH IGELHILGVV  
YNLGTIQGSM TVDGIGALPG CHTGKYSLSM SVRGKQDLEI QGPRLNNTKE EKTSVKYGPD  
RRLDPIITEE MPLLEVFFIH FPTGLLCEI RKAYVEFVNV SKOPLTGLKV VSKRPEFFTF  
GGNTAVLTPL SPSASENCSA YKTVVTDATS VCTALISSAS SVDFGIGTGS QPEVIPVPLP  
DTVLLPGASV QLPMWLRGPD EEGVHEINFL FYYESVKKQP KIRHRILRHT AIICTSRSLN  
VRATVCRSNS LENEERGGN MLVFDVENT NTSEAGVKEF HIVQVSSSSK HWKLQKSVNL  
SENKDTKLAS REKGKFCFKA IRCEKEEAAT QSSEKYTFAD IIFGNEQIIS SASPCADFFY  
RSLSSELKKP QAHLPVHTEK QSTEDAVRLI QKCSEVDLNI VILWKAYVVE DSKQLILEGQ  
HHVILRTIGK EAFSYPQKQE PPEMELLKFF RPNITVSSR PSVEQLSSLI KTS LHYPESF  
NHPFHQKSLC LVPVTL LLSN CSKADVDVIV DLRHKTT SPE ALEIHGSFTW LGQTQYKLQL  
KSQEIHSLQL KACFVHTGVY NLGTPRVFAK LSDQVTFET SQQNSMPALI IISNV

**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

## Product Details

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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!

### 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.

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Purification:	Two step purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®): <ol style="list-style-type: none"><li>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.</li><li>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.</li></ol>
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

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## Target Details

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Target:	TRAPPC8
Alternative Name:	TRAPPC8 ( <a href="#">TRAPPC8 Products</a> )
Background:	Trafficking protein particle complex subunit 8 (Protein TRS85 homolog),FUNCTION: Plays a role in endoplasmic reticulum to Golgi apparatus trafficking at a very early stage (PubMed:21525244). Maintains together with TBC1D14 the cycling pool of ATG9 required for initiation of autophagy (PubMed:26711178). {ECO:0000269 PubMed:21525244, ECO:0000269 PubMed:26711178}.
Molecular Weight:	161.0 kDa
UniProt:	<a href="#">Q9Y2L5</a>

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## 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.

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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!

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**Restrictions:** For Research Use only

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## 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)

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