Datasheet for ABIN3096027

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

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Overview

Quantity:	250 µg
Target:	TRAPPC8
Protein Characteristics:	AA 1-1435
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRAPPC8 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MAQCVQSVQE LIPDSFVPCV AALCSDEAER LTRLNHLSFA ELLKPFSRLT SEVHMRDPNN QLHVIKNLKI AVSNIVTQPP QPGAIRKLLN DVVSGSQPAE GLVANVITAG DYDLNISATT PWFESYRETF LQSMPALDHE FLNHYLACML VASSSEAEPV EQFSKLSQEQ HRIQHNSDYS YPKWFIPNTL KYYVLLHDVS AGDEQRAESI YEEMKQKYGT QGCYLLKINS RTSNRASDEQ IPDPWSQYLQ KNSIQNQESY EDGPCTITSN KNSDNNLLSL DGLDNEVKDG LPNNFRAHPL QLEQSSDPSN SIDGPDHLRS ASSLHETKKG NTGIIHGACL TLTDHDRIRQ FIQEFTFRGL LPHIEKTIRQ LNDQLISRKG LSRSLFSATK KWFSGSKVPE KSINDLKNTS GLLYPPEAPE LQIRKMADLC FLVQHYDLAY SCYHTAKKDF LNDQAMLYAA GALEMAAVSA FLQPGAPRPY PAHYMDTAIQ TYRDICKNMV LAERCVLLSA ELLKSQSKYS EAAALLIRLT SEDSDLRSAL LLEQAAHCFI NMKSPMVRKY AFHMILAGHR FSKAGQKKHA LRCYCQAMQV YKGKGWSLAE DHINFTIGRQ SYTLRQLDNA VSAFRHILIN ESKQSAAQQG AFLREYLYVY KNVSQLSPDG

PLPQLPLPYI NSSATRVFFG HDRRPADGEK QAATHVSLDQ EYDSESSQQW RELEEQVVSV VNKGVIPSNF HPTQYCLNSY SDNSRFPLAV VEEPITVEVA FRNPLKVLLL LTDLSLLWKF HPKDFSGKDN EEVKQLVTSE PEMIGAEVIS EFLINGEESK VARLKLFPHH IGELHILGVV YNLGTIQGSM TVDGIGALPG CHTGKYSLSM SVRGKQDLEI QGPRLNNTKE EKTSVKYGPD RRLDPIITEE MPLLEVFFIH FPTGLLCGEI RKAYVEFVNV SKCPLTGLKV VSKRPEFFTF GGNTAVLTPL SPSASENCSA YKTVVTDATS VCTALISSAS SVDFGIGTGS QPEVIPVPLP DTVLLPGASV QLPMWLRGPD EEGVHEINFL FYYESVKKQP KIRHRILRHT AIICTSRSLN VRATVCRSNS LENEEGRGGN MLVFVDVENT NTSEAGVKEF HIVQVSSSSK HWKLQKSVNL SENKDTKLAS REKGKFCFKA IRCEKEEAAT QSSEKYTFAD IIFGNEQIIS SASPCADFFY RSLSSELKKP QAHLPVHTEK QSTEDAVRLI QKCSEVDLNI VILWKAYVVE DSKQLILEGQ HHVILRTIGK EAFSYPQKQE PPEMELLKFF RPENITVSSR PSVEQLSSLI KTSLHYPESF NHPFHQKSLC LVPVTLLLSN CSKADVDVIV DLRHKTTSPE ALEIHGSFTW LGQTQYKLQL KSQEIHSLQL KACFVHTGVY NLGTPRVFAK LSDQVTVFET 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.

Characteristics:

Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- 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 try to ensure that you receive soluble 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

Product Details

	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! Concentration: • The concentration of our recombinant proteins is measured using the absorbance at 280nm. • The protein's absorbance will be measured against its specific reference buffer. • We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.
Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (AliCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	TRAPPC8
Alternative Name:	TRAPPC8 (TRAPPC8 Products)
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:	Q9Y2L5

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.
Comment:	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

Application Details

	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!
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months