Datasheet for ABIN3096044

TRPS1 Protein (AA 1-1281) (Strep Tag)

Go to Product page

Overview

Quantity:	250 µg
Target:	TRPS1
Protein Characteristics:	AA 1-1281
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRPS1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MVRKKNPPLR NVASEGEGQI LEPIGTESKV SGKNKEFSAD QMSENTDQSD AAELNHKEEH SLHVQDPSSS SKKDLKSAVL SEKAGFNYES PSKGGNFPSF PHDEVTDRNM LAFSSPAAGG VCEPLKSPQR AEADDPQDMA CTPSGDSLET KEDQKMSPKA TEETGQAQSG QANCQGLSPV SVASKNPQVP SDGGVRLNKS KTDLLVNDNP DPAPLSPELQ DFKCNICGYG YYGNDPTDLI KHFRKYHLGL HNRTRQDAEL DSKILALHNM VQFSHSKDFQ KVNRSVFSGV LQDINSSRPV LLNGTYDVQV TSGGTFIGIG RKTPDCQGNT KYFRCKFCNF TYMGNSSTEL EQHFLQTHPN KIKASLPSSE VAKPSEKNSN KSIPALQSSD SGDLGKWQDK ITVKAGDDTP VGYSVPIKPL DSSRQNGTEA TSYYWCKFCS FSCESSSSLK LLEHYGKQHG AVQSGGLNPE LNDKLSRGSV INQNDLAKSS EGETMTKTDK SSSGAKKKDF SSKGAEDNMV TSYNCQFCDF RYSKSHGPDV IVVGPLLRHY QQLHNIHKCT IKHCPFCPRG LCSPEKHLGE ITYPFACRKS NCSHCALLLL HLSPGAAGSS RVKHQCHQCS FTTPDVDVLL FHYESVHESQ ASDVKQEANH LQGSDGQQSV

KESKEHSCTK CDFITQVEEE ISRHYRRAHS CYKCRQCSFT AADTQSLLEH FNTVHCQEQD ITTANGEEDG HAISTIKEEP KIDFRVYNLL TPDSKMGEPV SESVVKREKL EEKDGLKEKV WTESSSDDLR NVTWRGADIL RGSPSYTQAS LGLLTPVSGT QEQTKTLRDS PNVEAAHLAR PIYGLAVETK GFLQGAPAGG EKSGALPQQY PASGENKSKD ESQSLLRRRR GSGVFCANCL TTKTSLWRKN ANGGYVCNAC GLYQKLHSTP RPLNIIKQNN GEQIIRRRTR KRLNPEALQA EQLNKQQRGS NEEQVNGSPL ERRSEDHLTE SHQREIPLPS LSKYEAQGSL TKSHSAQQPV LVSQTLDIHK RMQPLHIQIK SPQESTGDPG NSSSVSEGKG SSERGSPIEK YMRPAKHPNY SPPGSPIEKY QYPLFGLPFV HNDFQSEADW LRFWSKYKLS VPGNPHYLSH VPGLPNPCQN YVPYPTFNLP PHFSAVGSDN DIPLDLAIKH SRPGPTANGA SKEKTKAPPN VKNEGPLNVV KTEKVDRSTQ DELSTKCVHC GIVFLDEVMY ALHMSCHGDS GPFQCSICQH LCTDKYDFTT HIQRGLHRNN AQVEKNGKPK E

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 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 -

Product Details

	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:	TRPS1
Alternative Name:	TRPS1 (TRPS1 Products)
Background:	Zinc finger transcription factor Trps1 (Tricho-rhino-phalangeal syndrome type I protein) (Zinc finger protein GC79),FUNCTION: Transcriptional repressor. Binds specifically to GATA sequences and represses expression of GATA-regulated genes at selected sites and stages in vertebrate development. Regulates chondrocyte proliferation and differentiation. Executes multiple functions in proliferating chondrocytes, expanding the region of distal chondrocytes, activating proliferation in columnar cells and supporting the differentiation of columnar into hypertrophic chondrocytes. {ECO:0000269|PubMed:12885770, ECO:0000269|PubMed:17391059}.
Molecular Weight:	141.5 kDa
UniProt:	Q9UHF7
Pathways:	Protein targeting to Nucleus

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.

Application Details

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 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