Datasheet for ABIN3095874

TBC1D1 Protein (AA 1-1168) (Strep Tag)

Go to Product page

Overview

Quantity:	250 µg
Target:	TBC1D1
Protein Characteristics:	AA 1-1168
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TBC1D1 protein is labelled with Strep Tag.
Application:	SDS-PAGE (SDS), ELISA, Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MEPITFTARK HLLSNEVSVD FGLQLVGSLP VHSLTTMPML PWVVAEVRRL SRQSTRKEPV TKQVRLCVSP SGLRCEPEPG RSQQWDPLIY SSIFECKPQR VHKLIHNSHD PSYFACLIKE DAVHRQSICY VFKADDQTKV PEIISSIRQA GKIARQEELH CPSEFDDTFS KKFEVLFCGR VTVAHKKAPP ALIDECIEKF NHVSGSRGSE SPRPNPPHAA PTGSQEPVRR PMRKSFSQPG LRSLAFRKEL QDGGLRSSGF FSSFEESDIE NHLISGHNIV QPTDIEENRT MLFTIGQSEV YLISPDTKKI ALEKNFKEIS FCSQGIRHVD HFGFICRESS GGGGFHFVCY VFQCTNEALV DEIMMTLKQA FTVAAVQQTA KAPAQLCEGC PLQSLHKLCE RIEGMNSSKT KLELQKHLTT LTNQEQATIF EEVQKLRPRN EQRENELIIS FLRCLYEEKQ KEHIHIGEMK QTSQMAAENI GSELPPSATR FRLDMLKNKA KRSLTESLES ILSRGNKARG LQEHSISVDL DSSLSSTLSN TSKEPSVCEK EALPISESSF KLLGSSEDLS SDSESHLPEE PAPLSPQQAF RRRANTLSHF PIECQEPPQP ARGSPGVSQR KLMRYHSVST ETPHERKDFE SKANHLGDSG GTPVKTRRHS

WRQQIFLRVA TPQKACDSSS RYEDYSELGE LPPRSPLEPV CEDGPFGPPP EEKKRTSREL RELWQKAILQ QILLLRMEKE NQKLQASEND LLNKRLKLDY EEITPCLKEV TTVWEKMLST PGRSKIKFDM EKMHSAVGQG VPRHHRGEIW KFLAEQFHLK HQFPSKQQPK DVPYKELLKQ LTSQQHAILI DLGRTFPTHP YFSAQLGAGQ LSLYNILKAY SLLDQEVGYC QGLSFVAGIL LLHMSEEEAF KMLKFLMFDM GLRKQYRPDM IILQIQMYQL SRLLHDYHRD LYNHLEEHEI GPSLYAAPWF LTMFASQFPL GFVARVFDMI FLQGTEVIFK VALSLLGSHK PLILQHENLE TIVDFIKSTL PNLGLVQMEK TINQVFEMDI AKQLQAYEVE YHVLQEELID SSPLSDNQRM DKLEKTNSSL RKQNLDLLEQ LQVANGRIQS LEATIEKLLS SESKLKQAML TLELERSALL QTVEELRRRS AEPSDREPEC TQPEPTGD

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 - all that's needed is the DNA that codes for the desired protein!

Product Details

	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:	TBC1D1
Alternative Name:	TBC1D1 (TBC1D1 Products)
Background:	TBC1 domain family member 1,FUNCTION: May act as a GTPase-activating protein for Rab family protein(s). May play a role in the cell cycle and differentiation of various tissues. Involved in the trafficking and translocation of GLUT4-containing vesicles and insulin-stimulated glucose uptake into cells (By similarity). {ECO:0000250}.
Molecular Weight:	133.1 kDa
UniProt:	Q86TI0

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 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

Application Details

	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

