Datasheet for ABIN3096520

ZMIZ1 Protein (AA 1-1067) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	ZMIZ1
Protein Characteristics:	AA 1-1067
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZMIZ1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MNSMDRHIQQ TNDRLQCIKQ HLQNPANFHN AATELLDWCG DPRAFQRPFE QSLMGCLTVV SRVAAQQGFD LDLGYRLLAV CAANRDKFTP KSAALLSSWC EELGRLLLLR HQKSRQSDPP GKLPMQPPLS SMSSMKPTLS HSDGSFPYDS VPWQQNTNQP PGSLSVVTTV WGVTNTSQSQ VLGNPMANAN NPMNPGGNPM ASGMTTSNPG LNSPQFAGQQ QQFSAKAGPA QPYIQQSMYG RPNYPGSGGF GASYPGGPNA PAGMGIPPHT RPPADFTQPA AAAAAAAVAA AAATATATAT ATVAALQETQ NKDINQYGPM GPTQAYNSQF MNQPGPRGPA SMGGSMNPAS MAAGMTPSGM SGPPMGMNQP RPPGISPFGT HGQRMPQQTY PGPRPQSLPI QNIKRPYPGE PNYGNQQYGP NSQFPTQPGQ YPAPNPPRPL TSPNYPGQRM PSQPSSGQYP PPTVNMGQYY KPEQFNGQNN TFSGSSYSNY SQGNVNRPPR PVPVANYPHS PVPGNPTPPM TPGSSIPPYL SPSQDVKPPF PPDIKPNMSA LPPPPANHND ELRLTFPVRD GVVLEPFRLE HNLAVSNHVF HLRPTVHQTL MWRSDLELQF KCYHHEDRQM NTNWPASVQV SVNATPLTIE RGDNKTSHKP LHLKHVCQPG

RNTIQITVTA CCCSHLFVLQ LVHRPSVRSV LQGLLKKRLL PAEHCITKIK RNFSSVAASS GNTTLNGEDG VEQTAIKVSL KCPITFRRIQ LPARGHDCKH VQCFDLESYL QLNCERGTWR CPVCNKTALL EGLEVDQYMW GILNAIQHSE FEEVTIDPTC SWRPVPIKSD LHIKDDPDGI PSKRFKTMSP SQMIMPNVME MIAALGPGPS PYPLPPPPGG TNSNDYSSQG NNYQGHGNFD FPHGNPGGTS MNDFMHGPPQ LSHPPDMPNN MAALEKPLSH PMQETMPHAG SSDQPHPSIQ QGLHVPHPSS QSGPPLHHSG APPPPPSQPP RQPPQAAPSS HPHSDLTFNP SSALEGQAGA QGASDMPEPS LDLLPELTNP DELLSYLDPP DLPSNSNDDL LSLFENN

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!

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.

Product Details

- 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:	ZMIZ1
Alternative Name:	ZMIZ1 (ZMIZ1 Products)
Background:	Zinc finger MIZ domain-containing protein 1 (PIAS-like protein Zimp10) (Retinoic acid-induced protein 17),FUNCTION: Acts as a transcriptional coactivator. Increases ligand-dependent transcriptional activity of AR and promotes AR sumoylation. The stimulation of AR activity is dependent upon sumoylation (PubMed:14609956, PubMed:26522984). Also functions as a transcriptional coactivator in the TGF-beta signaling pathway by increasing the activity of the SMAD3/SMAD4 transcriptional complex (PubMed:16777850). Involved in transcriptional activation of a subset of NOTCH1 target genes including MYC. Involved in thymocyte and T cell development (By similarity). Involved in the regulation of postmitotic positioning of pyramidal neurons in the developing cerebral cortex (PubMed:30639322). {ECO:0000250|UniProtKB:Q6P1E1, ECO:0000269|PubMed:14609956, ECO:0000269|PubMed:16777850, ECO:0000269|PubMed:26522984, ECO:0000269|PubMed:30639322}.
Molecular Weight:	115.5 kDa
UniProt:	Q9ULJ6

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