Datasheet for ABIN3093994

NAA15 Protein (AA 1-866) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	NAA15
Protein Characteristics:	AA 1-866
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NAA15 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MPAVSLPPKE NALFKRILRC YEHKQYRNGL KFCKQILSNP KFAEHGETLA MKGLTLNCLG KKEEAYELVR RGLRNDLKSH VCWHVYGLLQ RSDKKYDEAI KCYRNALKWD KDNLQILRDL SLLQIQMRDL EGYRETRYQL LQLRPAQRAS WIGYAIAYHL LEDYEMAAKI LEEFRKTQQT SPDKVDYEYS ELLLYQNQVL REAGLYREAL EHLCTYEKQI CDKLAVEETK GELLLQLCRL EDAADVYRGL QERNPENWAY YKGLEKALKP ANMLERLKIY EEAWTKYPRG LVPRRLPLNF LSGEKFKECL DKFLRMNFSK GCPPVFNTLR SLYKDKEKVA IIEELVVGYE TSLKSCRLFN PNDDGKEEPP TTLLWVQYYL AQHYDKIGQP SIALEYINTA IESTPTLIEL FLVKAKIYKH AGNIKEAARW MDEAQALDTA DRFINSKCAK YMLKANLIKE AEEMCSKFTR EGTSAVENLN EMQCMWFQTE CAQAYKAMNK FGEALKKCHE IERHFIEITD DQFDFHTYCM RKITLRSYVD LLKLEDVLRQ HPFYFKAARI AIEIYLKLHD NPLTDENKEH EADTANMSDK ELKKLRNKQR RAQKKAQIEE EKKNAEKEKQ QRNQKKKKDD DDEEIGGPKE ELIPEKLAKV ETPLEEAIKF

LTPLKNLVKN KIETHLFAFE IYFRKEKFLL MLQSVKRAFA IDSSHPWLHE CMIRLFNTAV CESKDLSDTV RTVLKQEMNR LFGATNPKNF NETFLKRNSD SLPHRLSAAK MVYYLDPSSQ KRAIELATTL DESLTNRNLQ TCMEVLEALY DGSLGDCKEA AEIYRANCHK LFPYALAFMP PGYEEDMKIT VNGDSSAEAE ELANEI

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.
- 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.

Product Details

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:	NAA15
Alternative Name:	NAA15 (NAA15 Products)
Background:	N-alpha-acetyltransferase 15, NatA auxiliary subunit (Gastric cancer antigen Ga19) (N-terminal acetyltransferase) (NMDA receptor-regulated protein 1) (Protein tubedown-1) (Tbdn100),FUNCTION: Auxillary subunit of N-terminal acetyltransferase complexes which display alpha (N-terminal) acetyltransferase (NAT) activity (PubMed:15496142, PubMed:20154145, PubMed:29754825, PubMed:32042062). The NAT activity may be important for vascular, hematopoietic and neuronal growth and development (PubMed:15496142). Required to control retinal neovascularization in adult ocular endothelial cells (PubMed:11687548). In complex with XRCC6 and XRCC5 (Ku80), up-regulates transcription from the osteocalcin promoter (PubMed:12145306). {ECO:0000269|PubMed:11687548, ECO:0000269|PubMed:12145306, ECO:0000269|PubMed:15496142, ECO:0000269|PubMed:20154145, ECO:0000269|PubMed:29754825, ECO:0000269|PubMed:32042062}.
Molecular Weight:	101.3 kDa
UniProt:	Q9BXJ9

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

Application Details

	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