Datasheet for ABIN3137270

Naip6 Protein (AA 1-1403) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	Naip6 (NAIP7)
Protein Characteristics:	AA 1-1403
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Naip6 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MAEHGESSED RISEIDYEFL AELSARFGMN LVQLAKSQEE EDHKERMKMK KGFNSQMRSE AKRLKTFESY DTFRSWTPQE MAAAGFYHTG VKLGVQCFCC SLILFGNSLR KLPIERHKKL RPECEFLQGK DVGNIGKYDI RVKSPEKMLR GGKARYHEEE ARLESFEDWP FYAHGTSPRA LSAAGFVFTG KRDTVQCFSC GGSLGNWEEG DDPWKEHAKW FPKCEFLQSK KSSEEIAQYI QDYEGFVHVT GEHFVKSWVR RELPMVSAYC NDSVFTNEEL RMDMFKDWPQ ESPVGFEALV RAGFFYTGKK DIVRCFSCGG CLEKWAEGDD PMEDHIKFFP ECVFLQTLKS SAEVIPTLQS QYALPEATET TRESNHDDAA AVHSTVVDLG RSEAQWFQEA RSLSEQLRDT YTKTSFCHMN LPEVCSSLGT DHLLGCDVSI ISKHVSQPVQ GALTIPEVFS NLSSVMCVEG EAGSGKTTFL KRIAFLWASG CCPLLYRFQL VFYLSLSSIT PDQGLANIIC TQLLGAGGCI SEVCLSSSIQ QLQHQVLFLL DDYSGLASLP QALHTLITKN YLFRTCLLIA VHTNRVRDIR PYLGTSLEIQ EFPFYNTVFV LRKFFSHDII CVEKLIIYFS ENKDLQGVYK TPLFVAAVCN DWNQNASAQD

DFQDVTLFHS YMQYLSLKYK ATAESLQATV SSCGQLALTG LFSSCFEFNS DDLAEAGVDE DVKLTTFLMS KFTAQRLRPV YRFLGPLFQE FLAAVRLTEL LSSDRQEDQD LGLYYLRQID SPLKAINSFN IFLYYVSSHS SSKAAPTVVS HLLQLVDEKE SLENMSENED YMKLHPQTFL WFQFVRGLWL VSPESFSSFV SEHLLRLALI FAYESNTVAE CSPFILQFLR GRTLALRVLN LEYFWDHPES LLLLRSLKVS INGNKMSSYV DYSFKTYFEN LQPPAINEEY TSAFEHVSEW RRNFAQDEEI IKNYENIWPR ALPDISEGYW NLSPKPCKIP KLEVQVNNMG PADQALLQVL MEVFSASQSI EFHLFNSSGF LESIRPALEL SKASVTKCSM SRLELSRAEQ ELLLTLPALQ SLEVSETNQL PDQLFHNLHK FLGLKELCVR LDGKPDVLSV LPEEFLNLHH MEKLSIRTST ESDLSKLVKF IQNFPNLHVF HLKCDFLSNC ESLMTALASC KKLREIEFSG QCFEAMTFVN ILPNFVSLKI LSLKGQQFAD KETSEKFAQA LGSLRNLEEL LVPTGDGIHQ VAKLIVRQCL QLPCLRVLAF HDILDDESVI EIARAATSGS FQKLENLDIS MNHKITEEGY RNFFQALDNL PNLQMLNICR NIPGRIQVQA TTVKALGHCV SRLPSLTRLG MLSWLLDEED MKVINDVKER HPQSKRLTIF WKWIVPFSPV VLE

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:	Naip6 (NAIP7)
Alternative Name:	Naip6 (NAIP7 Products)
Background:	Baculoviral IAP repeat-containing protein 1f (Neuronal apoptosis inhibitory protein 6),FUNCTION: Sensor component of the NLRC4 inflammasome that specifically recognizes and binds flagellin from pathogenic bacteria. Association of pathogenic bacteria proteins drives in turn drive assembly and activation of the NLRC4 inflammasome, promoting caspase-1 activation, cytokine production and macrophage pyroptosis. The NLRC4 inflammasome is activated as part of the innate immune response to a range of intracellular bacteria (PubMed:21874021). The NLRC4 inflammasome senses Gram-negative bacteria such as L.pneumophila and P.aeruginosa, enteric pathogens S.typhimurium (Salmonella) and S.flexneri. May contribute to prevent motor-neuron apoptosis induced by a variety of signals (By similarity). {ECO:0000250|UniProtKB:Q13075, ECO:0000269|PubMed:21874021}.
Molecular Weight:	159.9 kDa
UniProt:	Q9JIB6

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies

Application Details

	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 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