

Datasheet for ABIN7565084
Naip6 Protein (AA 1-1403) (His tag)



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Overview

Quantity:	1 mg
Target:	Naip6 (NAIP7)
Protein Characteristics:	AA 1-1403
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Naip6 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Naip6 Protein expressed in mammalian cells.
Sequence:	MAEHGESSED RISEIDYEFL AELSARFGMN LVQLAKSQEE EDHKERMKMK KGFNSQMRSE AKRLKTFESY DFRSWTPQE MAAAGFYHTG VKLGVQCFCC SLILFGNSLR KLPIERHKKL RPECEFLQGK DVG NIGKYDI RVKSPEKMLR G GKARYHEEE ARLESFEDWP FYAHGTSPRA LSAAGFVFTG KRDTVQCFSC GGSLGNWEEG DDPWKEHAKW FPKCEFLQSK KSSEEIAQYI QDYEGFVHVT GEHFVKS WVR RELPMVSAYC NDSVFTNEEL RMDMFKDWPQ ESPVGFEALV RAGFFYTGKK DIVRCFSCGG CLEKWAEGDD PMEDHIKFFP ECVFLQTLKS SAEVIPTLQS QYALPEATET TRESNHDDAA AVHSTVVDLG RSEAQWFQEA RSLSEQLRDT YTKTSFCHMN LPEVCSSLGT DHLLGCDVSI ISKHVSQP VQ GALT IPEVFS NLSSVMC VEG EAGSGKTTFL KRIAFLWASG CCPLLYRFQL VFYLSLSSIT PDQGLANIIC TQLLGAGGCI SEVCLSSSIQ QLQHQLV LLL DDYSGLASLP QALHTLITKN YLFRTCLLIA VHTNRVRDIR PYLGTSL EIQ EFPFYNTVFV LRKFFSHDII CVEKLIIFYS ENKDLQGVYK TPLFVAAVCN DWNQNASAQD DFQDVTLFHS YMQYLSLKYK ATAESLQATV SSCGQLALTG LFSSCFEFNS DDLAEAGVDE

DVKLTTFLMS KFTAQRLRPV YRFLGPLFQE FLAAVRLTEL LSSDRQEDQD LGLYYLRQID
SPLKAINSFN IFLYYVSSHSS SSKAAPT VVS HLLQLVDEKE SLENMSENE D YMKLHPQTFL
WFQFVRGLWL VSPESFSSFV SEHLLRLALI FAYESNTVAE CSPFILQFLR GRTLALRVLN
LEYFWDHPES LLLLRSKVS 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
PNLQMLNCR NIPGRIQVQA TTVKALGHCV SRLPSLTRLG MLSWLLDEED MKVINDVKER
HPQSKRLTIF WKWIVPFSPV VLE **Sequence without tag. The proposed Purification-Tag is based on experiences 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.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, 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:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months