Datasheet for ABIN7565128

Naip2 Protein (AA 1-1447) (His tag)

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Overview

Quantity:	1 mg
Target:	Naip2 (NAIP2)
Protein Characteristics:	AA 1-1447
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Naip2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Naip2 Protein expressed in mammalian cells.
Sequence:	MAAQGEAVEE IICEFDDDLV SELSTLLRVD ALSVLKRQQE EDHKTRMKMK KGFNSQMRSE AKRLKTFETY DKFRSWTPQE MAAAGFYHTG VKLGVQCFCC SLILFSTRLR KLPIENHKKL RPECEFLLGK DVGNIGKYDI RVKSPEKMLR GDKARYHEEE ARLESFEDWP FYAHGTSPRV LSAAGFVFTG KRDTVQCFSC GGCLGNWEEG DDPWKEHAKW FPKCEFLQSK KSPEEITQYV QSYEGFLHVT GEHFVNSWVR RELPMVSAYC NDSVFANEEL RMDTFKDWPH ESPGAVEALV KAGLFYTGKR DIVQCFSCGG CMEKWAEGDN PIEDHTKFFP NCVFLQTLKS SAEVIPALQS HCALPEAMET TSESNHDDAA AVHSTVVDVS PSEAQELEPA SSLVSVLCRD QDHSEAQGRG CASSGTYLPS TDLGQSEAQW LQEARSLSEQ LRDTYTKATF RHMNLPEVYS SLGTDHLLSC DVSIISKHIS QPVQGSLTIP EVFSNLNSVM CVEGEAGSGK TTFLKRIAFL WASGCCPLLY RFQLVFYLSL SSITPGQELA KIICAQLLGA GGCISEVCLS SIIQQLQHQV LFLLDDYSGL ASLPQALHTL ITKNYLSRTC LLIAVHTNKV RGIRPYLDTS LEIKEFPFYN TVSVLRKLFS HDIMRVRKFI NYFGFHEELQ GIHKTPLFVA AVCTDWFKNP SDQPFQDVAL FKAYMQYLSL

	KHKGAAKPLQ ATVSSCGQLA LTGLFSSCFE FNSDNLAEAG VDEDEELTTC LMSKFTAQRL RPVYRFLGPL FQEFLAAVRL TELLSSDRQE DQDLGLYYLR QINSPLKAMS IYHTFLKYVS SHPSSKAAPT VVSHLLQLVD EKESLENMSE NEDYMKLHPE ALLWIECLRG LWQLSPESFS LFISENLLRI CLNFAHESNT VAACSPVILQ FLRGRTLDLK VLSLQYFWDH PETLLLLKSI KISLNGNNWV QRIDFSLIEK SFEKVQPPTI DQDYAIAFQP INEVQKNLSE KKHIIKKYED MKHQIPLNIS TGYWKLSPKP YKIPKLEVQV TNTGPADQAL LQVLMEVFSA SQSIEFRLSD SSGFLESIRP ALELSKASVT KCSMSRLELS REDQKLLLTL PTLQSLEVSE TNQLPDQLFH NLHKFLGLKE LCVRLDSKPD VLSVLPGEFP NLHHMEKLSI RTSTESDLSK LVKLIQNSPN LHVFHLKCNF LSNCEPLMTV LASCKKLREI EFSGRCFEAM TFVNILPNFV FLKILNLRDQ QFPDKETSEK FAQALGSLRN LEKLFVPTGD GIHQVAKLIV RQCLQLPCLR VLVFAETLDD DSVLEIAKGA TRGGFQKLEN LDLTLNHKIT EEGYRNFFQV LDNLPNLKNL DISRHIPECI QIQAITVKAL GQCVSRLPSL TRLGMLSWLL DEEDIKVIND VKERHPQSKR LTVHWRWVVP FSPVIQK **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:	Naip2 (NAIP2)
Alternative Name:	Naip2 (NAIP2 Products)
Background:	Baculoviral IAP repeat-containing protein 1b (Neuronal apoptosis inhibitory protein 2),FUNCTION: Sensor component of the NLRC4 inflammasome that specifically recognizes and binds type III secretion system (T3SS) rod proteins such as S.typhimurium (Salmonella) PrgJ and B.thailandensis BsaK 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. The NLRC4 inflammasome senses Gram-negative bacteria such as L.pneumophila and P.aeruginosa, enteric pathogens S.typhimurium (Salmonella) and S.flexneri. Prevents motor-neuron apoptosis induced by a variety of signals. {ECO:0000269|PubMed:21874021, ECO:0000269|PubMed:21918512}.
Molecular Weight:	164.1 kDa
UniProt:	Q9QUK4

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