

Datasheet for ABIN7554652
NLRP4 Protein (AA 1-994) (His tag)



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Overview

Quantity:	1 mg
Target:	NLRP4
Protein Characteristics:	AA 1-994
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NLRP4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NLRP4 Protein expressed in mammalian cells.
Sequence:	MAASFFSDFG LMWYLEELKK EEFKRFKEHL KQMTLQLELK QIPWTEVKKA SREELANLLI KHYYEQQAWN ITLRIFQKMD RKDLCMKVMR ERTGYTKTYQ AHAKQKFSRL WSSKSVTEIH LYFEEVKQE ECDHLDRLEFA PKEAGKQPT VIIQGPQGIG KTTLLMKLMM AWSDNKIFRD RFLYTFYFCC RELRELPPPTS LADLISREWP DPAAPITEIV SQPERLLFVI DSFEELQGGL NEPDSDLCDG LMEKRPVQVL LSSLLRKKML PEASLLIAIK PVCPEKLRDQ VTISEIYQPR GFNESDRLVY FCCFFKDPKR AMEAFNLVRE SEQLFSICQI PLLCWILCTS LKQEMQKGGD LALTCQSTTS VYSSFVFNLF TPEGAEGPTP QTQHLKALC SLAAEGMWTG TFEFCEDDLR RNGVVDADIP ALLGTKILLK YGERESSYVF LHVCIQEFCA ALFYLLKSHL DPHPPAVRCV QELLVANFEK ARRAHWIFLG CFLTGLLNKK EQEKLDAFFG FQLSQEIKQQ IHQCLKSLGE RGNPQGQVDS LAIFYCLFEM QDPAFVKQAV NLLQEANFHI IDNVDLVVSA YCLKYCSSLR KLCFSVQNVF KKEDEHSSTS DYSLICWHHI CSVLTTSGLH RELQVQDSTL SESTFVTWCN QLRHPSCRLQ KLGINNVSFS GQSVLLFEVL FYQPDLYLS FTLTKLSRDD IRSLCDALNY

Product Details

PAGNVKELAL VNCHLSPIDC EVLAGLLTNN KKLTYLVNVC NQLDTGVPLL CEALCSPDTV
LVYLMLAFCH LSEQCCEYIS EMLLRNKSVR YLDLSANVLK DEGLKTLCEA LKHPDCCLDS
LCLVKCFITA AGCEDLASAL ISNQNLKILQ IGCNEIGDVG VQLLCRALTH TDCRLEILGL
EECGLTSTCC KDLASVLTCS KTLQQLNLTL NTL DHTGVVV LCEALRHPEC ALQVLGLRKT
DFDEETQALL TAEERNPNL TITDDCDTIT RVEI

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: NLRP4

Alternative Name: NLRP4 ([NLRP4 Products](#))

Background: NACHT, LRR and PYD domains-containing protein 4 (Cancer/testis antigen 58) (CT58) (PAAD and NACHT-containing protein 2) (PAN2) (PYRIN and NACHT-containing protein 2) (PYRIN-containing APAF1-like protein 4) (PYPAF4) (Ribonuclease inhibitor 2),FUNCTION: May be

Target Details

involved in inflammation and recognition of cytosolic pathogen-associated molecular patterns (PAMPs) not intercepted by membrane-bound receptors. Acts as a negative regulator of the type I interferon signaling pathway by serving as an adapter to promote DTX4-mediated ubiquitination of activated TBK1, and its subsequent degradation. Suppresses NF-kappaB induction by the cytokines TNFA and IL1B, suggesting that it operates at a point of convergence in these two cytokine signaling pathways. {ECO:0000269|PubMed:12093792, ECO:0000269|PubMed:22388039}.

Molecular Weight:	113.4 kDa
UniProt:	Q96MN2
Pathways:	Inflammasome

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