

Datasheet for ABIN7554674
NLRP2 Protein (AA 1-1062) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	NLRP2
Protein Characteristics:	AA 1-1062
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NLRP2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NLRP2 Protein expressed in mammalian cells.
Sequence:	<p>MVSSAQMGFN LQALLEQLSQ DELSKFKYLI TTFSLAHELQ KIPHKEVDKA DGKQLVEILT THCDSYWVEM ASLQVFEKMH RMDLSERAkd EVREAALKSF NKRKPLSLGI TRKERPPLDV DEMLERFKTE AQAFETKGN VICLGKEVFK GKKPDKDNRC RYILKTKFRE MWKSWPGDSK EVQVMAERYK MLIPFSNPRV LPGPFSYTVV LYGPAGLGKT TLAQKLMLDW AEDNLIHKFK YAFYLSCREL SRLGPCSFAE LVFRDWPELQ DDIPHILAQA RKILFVIDGF DELGAAPGAL IEDICGDWEK KKPVPVLLGS LLNRVMLPKA ALLVTTRPRA LRDRLILAE PIYIRVEGFL EEDRRAYFLR HFGDEDQAMR AFELMRSNAA LFQLGSAPAV CWIVCTTLKL QMEKGEDPVP TCLTRTGLFL RFLCSRFPQG AQLRGALRTL SLLAAQGLWA QTSVLHREDL ERLGVQESDL RLFLDGDILR QDRVSKGCYS FIIHLSFQQFL TALFYTLEKE EEEDRDGHTW DIGDVQKLLS GVERLRNPDL IQAGYYSFGL ANEKRAKELE ATFGCRMSPD IKQELLRCDI SCKGGHSTVT DLQELLGCLY ESQEEELVKE VMAQFKEISL HLNAVDVVPS SFCVKHCRNL QKMSLQVIKE NLPENVTASE SDAEVERSQD DQHMLPFWTD LCSIFGSNKD LMGLAINDSF LSASLVRILC</p>

Product Details

EQIASDTCHL QRVVFNISP ADAHRNLCLA LRGHKTVTYL TLQNDQDDM FPALCEVLRH
PECNLRYLGL VSCSATTQW ADLSLAEVN QSLTCVNLS NELLDEGAKL LYTTLRHPKC
FLQRLSLENC HLTEANCKDL AAVLVVSREL THLCLAKNPI GNTGVKFLCE GLRYPECKLQ
TLVLWNCIT SDGCCDLTKL LQEKSSLLCL DLGLNHIGVK GMKFLCEALR KPLCNLRCLW
LWGCSIPPFS CEDLCSALSC NQSLVTLDLG QNPLGSSGVK MLFETLTCSS GTLRTLRLKI
DDFNDELNKL LEEIEEKNPQ LIIDTEKHHP WAERPSSHDF MI **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: NLRP2

Alternative Name: NLRP2 ([NLRP2 Products](#))

Background: NACHT, LRR and PYD domains-containing protein 2 (Nucleotide-binding site protein 1) (PYRIN domain and NACHT domain-containing protein 1) (PYRIN-containing APAF1-like protein)

Target Details

2),FUNCTION: Suppresses TNF- and CD40-induced NFKB1 activity at the level of the IKK complex, by inhibiting NFKBIA degradation induced by TNF. When associated with PYCARD, activates CASP1, leading to the secretion of mature pro-inflammatory cytokine IL1B. May be a component of the inflammasome, a protein complex which also includes PYCARD, CARD8 and CASP1 and whose function would be the activation of pro-inflammatory caspases. {ECO:0000269|PubMed:15456791}.

Molecular Weight: 120.5 kDa

UniProt: [Q9NX02](#)

Pathways: [Production of Molecular Mediator of Immune Response, Positive Regulation of Endopeptidase Activity, 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