

Datasheet for ABIN7554661
NLRP5 Protein (AA 1-1200) (His tag)



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Overview

Quantity:	1 mg
Target:	NLRP5
Protein Characteristics:	AA 1-1200
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NLRP5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat NLRP5 Protein expressed in mammalien cells.
Sequence:	<p>MKVAGGLELG AAALLSASPR ALVTLSTGPT CSILPKNPLF PQNLSSQPCI KMEGDKSLTF SSYGLQWCLY ELDKEEFQTF KELLKKKSSE STTCSIPQFE IENANVECLA LLLHEYYGAS LAWATSISIF ENMNLRTLSE KARDDMKRHS PEDPEATMTD QGPSKEKVPV ISQAVQQDSA TAAETKEQEI SQAMEQEGAT AAETEEQEIS QAMEQEGATA AETEEQGHGG DTWDYKSHVM TKFAEEEDVR RSFENTAADW PEMQTLGAF DSDRWGFRPR TVVLHGKSGI GKSALARRIV LCWAQGGLYQ GMFSYVFFLP VREMQRKES SVTEFISREW PDSQAPVTEI MSRPERLLFI IDGFDDLGSV LNNDTKLCKD WAEKQPPFTL IRSLLRKVLL PESFLIVTVR DVGTEKLSKSE VVSPRYLLVR GISGEQRIHL LLERGIGEHQ KTQGLRAIMN NRELLDQCQV PAVGSLICVA LQLQDVVGES VAPFNQTLTG LHAAFVFHQL TPRGVVRRCL NLEERVVLKR FCRMAVEGVW NRKSVFDGDD LMVQQLGESE LRALFHMNIL LPDSHCEEYY TFFHLSLQDF CAALYYVLEG LEIEPALCPL YVEKTKRSME LKQAGFHIHS LWMKRFLFGL VSEDVRRPLE VLLGCPVPLG</p>

Product Details

VKQKLLHWVS LLGQQPNATT PGDTLDAFHC LFETQDKEFV RLALNSFQEV WLPINQNLDL
IASSFCLQHC PYLRKIRVDV KGIFPRDESA EACPVVPLWM RDKTLIEEQW EDFCSMLGTH
PHLRQLDLGS SILTERAMKT LCAKLRHPTC KIQTLMFRNA QITPGVQHLW RIVMANRNLR
SLNLGGTHLK EEDVRMACEA LKHPKCLES LRLDCCGLTH ACYLKISQIL TTSPSLKSL
LAGNKVTDQG VMPLSDALRV SQCALQKLIL EDCGITATGC QSLASALVSN RSLTHLCLSN
NSLGNEGVNL LCRSMRLPHC SLQRLMLNQC HLDTAGCGFL ALALMGNSWL THLSLSMNPV
EDNGVKLLCE VMREPSCHLQ DLELVKCHLT AACCESLSCV ISRSRHLKSL DLTDNALGDG
GVAALCEGLK QKNSVLARLG LKACGLTSDC CEALSLALSC NRHLTSLNLV QNNFSPKGM
KLCSAFACPT SNLQIIGLWK WQYPVQIRKL LEEVQLLKPR VVIDGSWHSF DEDDRYWWKN

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.

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, Western Blot

Grade: custom-made

Target Details

Target: NLRP5

Alternative Name: NLRP5 ([NLRP5 Products](#))

Background: NACHT, LRR and PYD domains-containing protein 5 (Mater protein homolog) (Maternal Antigen)

Target Details

that Embryos Require),FUNCTION: As a member of the subcortical maternal complex (SCMC), plays an essential role for zygotes to progress beyond the first embryonic cell divisions via regulation of actin dynamics (By similarity). Required for the formation of F-actin cytoplasmic lattices (CPL) in oocytes, which in turn are responsible for symmetric division of zygotes via the regulation of mitotic spindle formation and positioning (By similarity). Required for the localization of cortical granules to the cortex of oocytes, via association with the cortical actin scaffold (By similarity). Required for cortical actin clearance prior to oocyte exocytosis (By similarity). Involved in regulating post-fertilization Ca(2+) release and endoplasmic reticulum (ER) storage via regulation of ER localization (By similarity). May be involved in the localization of mitochondria to the cytoplasm and perinuclear region in oocytes and early stage embryos, independent of its role in CPL formation (By similarity). {ECO:0000250|UniProtKB:Q9R1M5}.

Molecular Weight: 134.3 kDa

UniProt: [P59047](#)

Pathways: [Inflammasome](#)

Application Details

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