

## Recombinant Human NLRP3 protein, GST-tagged

**Cat. No.** NLRP3-186H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Recombinant Human PNLRP3(1 a.a. - 1036 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 1-1036 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 144.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | <p>MKMASTRCKLARYLEDVLDLKKFKMHLEDYPPQKGCIPLRGQTEKADHVDLAT<br/> LMIDFNGEKAWAMAVWIF AAINRRDLYEKAKRDEPKWGSNARVSNPTVICQEDS<br/> IEEEWMGLLEYLSRISICKMKKDYRKKYRKYVRSRFQC IEDRNARLGESVSLNKRYT<br/> RLRLIKEHRSQQEREQELLAIGKTKTCESPVSPIKMELLFDPDDEHSEPVHTVVFQ G<br/> AAGIGKTILARKMMLDWASGTLYQDRFDYLFYIHCREVSLVTQRSLGDLIMSCCPDP<br/> NPPIHKIVRKPSRILFL MDGFDELQGAFFDEHIGPLCTDWQKAERGDILLSSLIRKKLLP<br/> EASLLITTRPVALEKLQHLLDHPRHVEILGFSE AKRKEYFFKYFSDEAQAARAFSLIQ<br/> ENEVLFTMCFIPLVCWIVCTGLKQQMESGKSLAQTSTTTAVYVFFLSSL LQPRGGS<br/> QEHGLCAHLWGLCSLAADGIWNQKILFEESDLRNHGLQKADVSAFLRMNLFQKEVD<br/> CEKFYSFIHMTF QEFFAAMYYLLEEEKEGRTNVPGSRLKLPSRDVTVLLENYGKFEK<br/> GYLIFVVRFLFGLVNQERTSYLEKKLSCKI SQQIRLELLKWIEVKAKAKKLQIQPSQLE<br/> LFYCLYEMQEEDFVQRAMDYFPKIEINLSTRMDHVMVSSFCIENCHR VESLSLGLFLHN</p> |

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MPKEEEEEEEKEGRHLD MVQCVLPSSSHAACSHGLVNSHLTSSFCRGLFSVLSTSQS  
 LTELDLS D NSLGDPGMRVLCETLQHPGCNIRRLWLGRGLSHECCFDISLVSSNQ  
 KLVELDLS DNALGDFGIRLLCVGLKHL LCNLKKLWLVSCCLTSACCQDLASVLSTSH  
 SLTRLYVGENALGDSGVAILCEKAKNPQC NLQKLGLVNSGLTSVC CSALSSVLSTN  
 QNLTHLYLRGNTLGDKGIKLLCEGLLHPDCKLQVLELDNCNLTS HCCWDLSTLLTSS  
 QSLRKLS LGNNDLGD LGVMMFCEVLKQQSCLLQNLGLSEMYFNYETKSAETLQE  
 EKPELTVVFEP SW

**Applications**

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
 Antibody Production; Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name**

NLRP3 NLR family, pyrin domain containing 3 [ Homo sapiens ]

**Official Symbol**

NLRP3

**Synonyms**

NLRP3; NLR family, pyrin domain containing 3; C1orf7, CIAS1, cold autoinflammatory syndrome 1; NACHT, LRR and PYD domains-containing protein 3; AGTAVPRL; All; AVP; CLR1.1; Cryopyrin; FCAS; FCU; MWS; NALP3; nucleotide binding oligomerization domain; leucine rich repeat and pyrin domain containing 3; PYPAF1; cryopyrin; caterpillar protein 1.1; PYRIN-containing APAF1-like protein 1; NACHT, LRR and PYD containing protein 3; cold autoinflammatory syndrome 1 protein; NACHT domain-, leucine-rich repeat-, and PYD-containing protein 3; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 3; CIAS1; C1orf7; FLJ95925;

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|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 114548                                                                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>         | NM_004895                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | NP_004886                                                                                                                                                                                                                                                                                                                                          |
| <b>MIM</b>                 | 606416                                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>          | Q96P20                                                                                                                                                                                                                                                                                                                                             |
| <b>Chromosome Location</b> | 1q44                                                                                                                                                                                                                                                                                                                                               |
| <b>Pathway</b>             | Immune System, organism-specific biosystem; Inflammasomes, organism-specific biosystem; Influenza A, organism-specific biosystem; Influenza A, conserved biosystem; Innate Immune System, organism-specific biosystem; NOD-like receptor signaling pathway, organism-specific biosystem; NOD-like receptor signaling pathway, conserved biosystem; |
| <b>Function</b>            | ATP binding; nucleotide binding; peptidoglycan binding; protein binding;                                                                                                                                                                                                                                                                           |

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