

## Recombinant Human NLRP3 protein, GST-tagged

**Cat. No.** NLRP3-185H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PNLRP3(1 a.a. - 100 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>    | 1-100 a.a.                                                                                                  |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                    |
| <b>Molecular Mass</b>   | 36.74 kDa                                                                                                   |
| <b>AA Sequence</b>      | MKMASTRCKLARYLEDVLDLKKFKMHLEDYPPQKGCIPLPRGQTEKADHVDLAT<br>LMIDFNGEEKAWAMAVWIF AAINRRDLYEKAKRDEPKWGSDNAR     |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                      |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                    |

### GENE INFORMATION

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|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | NLRP3 NLR family, pyrin domain containing 3 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Official Symbol</b>     | NLRP3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>            | 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; PYPAP1; 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; |
| <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                                                                                                                                                                                                                                                                                                                                                        |

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pathway, conserved biosystem;

**Function**

ATP binding; nucleotide binding; peptidoglycan binding; protein binding;

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