# Recombinant Human NLRP3 Protein, His-tagged

**Cat. No.** NLRP3-01HE **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human NLRP3 Protein is produced by E.coli expression system. This protein is fused with a His tag. |
| **Species** | Human |
| **Source** | E.coli |
| **Description** | NACHT, LRR and PYD domains-containing protein 3 (NALP3), also known as cryopyrin, is a protein that in humans is encoded by the NLRP3 gene located on the long arm of chromosome 1.<br>NALP3 is expressed predominantly in macrophages and as a component of the inflammasome, detects products of damaged cells such as extracellular ATP and crystalline uric acid. Activated NALP3 in turn triggers an immune response. Mutations in the NLRP3 gene are associated with a number of organ specific autoimmune diseases. |
| **Form** | 20 mM Tris-HCl, 0.15 M NaCl, pH 8.0. |
| **Molecular Mass** | 36.2 kDa |
| **AA Sequence** | MMKMASTRCKLARYLEDLEDVDLKKFKMHLEDYPPQKGCIPLPRGQTEKADHVDLA TLMIDFNGEEKAWAMAVWIFAAINRRDLYEKAKRDEPKWGSDNARVSNPTVICQED SIEEEWMGLLEYLSRISICKMKKDYRKKYRKYVRSRFQCIEDRNARLGESVSLNKRY TRLRLIKEHRSQQEREQELLAIGKTKTCESPVSPIKMELLFDPDDEHSEPVHTVVFQG AAGIGKTILARKMMLDWASGTLYQDRFDYLFYIHCREVSLVTQRSLGDLIMSCCPDP |

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|---|---|
| | NPPIHKIVRKPSRILFLMDGFDELQGA |
| **Purity** | >90 % as determined by SDS-PAGE |
| **Storage** | Long Term Storage at -20 to -80 centigrade. Avoid freeze/thaw cycles. |
| **Concentration** | 0.5 ug/ul |

## GENE INFORMATION

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| **Gene Name** | NLRP3 NLR family, pyrin domain containing 3 [ Homo sapiens ] |
| **Official Symbol** | NLRP3 |
| **Synonyms** | NLRP3; AGTAVPRL; AII; AVP; CLR1.1; Cryopyrin; FCAS; FCU; MWS; NALP3; CIAS1; C1orf7; FLJ95925; |
| **Gene ID** | 114548 |
| **mRNA Refseq** | NM_001079821 |
| **Protein Refseq** | NP_001073289 |
| **MIM** | 606416 |
| **UniProt ID** | Q96P20 |

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