

Recombinant Human NLRP3 Protein, His-tagged

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

SPECIFICATION

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. 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	MMKMASTRCKLARYLEDLEDVDLKKFKMHLEDYPPQKGCIPRGRQTEKADHVDLA TLMIDFNGEEKAWAMAVWIFAAINRRDLYEKAKRDEPKWGSDNARVSNPTVICQED SIEEEWMGLLEYLSRISICKMKKDYRKRYRKYVRSRFQCIEDRNARLGESVSLNKRY TRLRLIKEHRSQQEREQELLAIGKTKTCESPVSPIKMELLFDPDDEHSEPVHTVVFQG AAGIGKTI LARKMMLDWASGTLYQDRFDYLFYIHCREVSLVTQRSLGDLIMSCCPDP

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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

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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SDS-PAGE analysis of purified recombinant NLRP3(reduced)
Lane M: Protein Marker, Lane 1: Un-purified, Lane 2: Flow through, Lane 3: Elution

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WB analysis of purified recombinant NLRP3

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