

NLRP3 recombinant protein

Recombinant Human NLRP3 protein

CATALOG # AAA119914	HOST E Coli
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PRODUCT SYNONYMS

NLRP3; Recombinant Human NLRP3 protein; NACHT; LRR and PYD domains-containing protein 3; Angiotensin/vasopressin receptor AII/AVP-like; Caterpillar protein 1.1; CLR1.1; Cold-induced autoinflammatory syndrome 1 protein; Cryopyrin; PYRIN-containing APAF1-like protein 1; NLRP3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>90% as determined by SDS-PAGE
Form/Format	Lyophilized from PBS pH 7.4, 0.02% NLS, 1mM EDTA, 4% trehalose, 1% mannitol.
Species	Homo sapiens (Human)
Construction	A DNA sequence encoding the human NLRP3 (Met1-Arg157) was fused with His tag
Reconstitution	Reconstitute in sterile water for a stock solution.
Preparation and Storage	Store at 2 to 8°C for one week. Store at -20 to -80°C for twelve months from the date of receipt. Use a manual defrost freezer and avoid repeated freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for NLRP3 recombinant protein	The Nlrp3 inflammasome is a key controller of the proinflammatory cytokine IL-1beta. The Nlrp3 inflammasome triggers interleukin-1 secretion by myeloid cells in response to endogenous and exogenous danger signals. Mutations in the Nlrp3 (CIAS1, cryopyrin) gene are associated with cryopyrin-associated periodic syndrome, autoinflammatory diseases characterized by excessive IL-1 production and neutrophilia in blood and tissues. Missense mutations of the gene encoding NLRP3 are associated with autoinflammatory disorders characterized with excessive production of interleukin-1beta (IL-1beta).
Product Categories/Family for NLRP3 recombinant protein	Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	34878690
NCBI GeneID	114548
NCBI Accession #	NP_899632
NCBI GenBank Nucleotide #	NM_183395.2
UniProt Accession #	Q96P20 ; O75434 ; Q17RS2 ; Q59H68 ; Q5JQS8 ; Q5JQS9 ; Q6TG35 ; Q8TCW0 ; B2RC97 ; B7ZKS9 ; B7ZKT2 ; B7ZKT3
Molecular Weight	Predicted: 20.97 kDa
NCBI Official Full Name	NACHT, LRR and PYD domains-containing protein 3 isoform b
NCBI Official Synonym Full Names	NLR family, pyrin domain containing 3
NCBI Official Symbol	NLRP3

NCBI Official Synonym Symbols	ALI; AVP; FCU; MWS; FCAS; CIAS1; FCAS1; NALP3; C1orf7; CLR1.1; PYPAF1; AGTAVPRL
NCBI Protein Information	NACHT, LRR and PYD domains-containing protein 3; 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-con
UniProt Protein Name	NACHT, LRR and PYD domains-containing protein 3
UniProt Gene Name	NLRP3
UniProt Synonym Gene Names	C1orf7; CIAS1; NALP3; PYPAF1; CLR1.1
UniProt Entry Name	NALP3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/nlrp3-recombinant-protein-e-coli/119914>