

Recombinant Human NLRP3 protein, His-tagged

Cat. No. NLRP3-3835H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NLRP3 protein(937-1036 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	937-1036 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MLHPDCKLQVLELDNLCNLTSHCCWDLSTLLTSSQSLRKLSLGNNDLGD LGVMMFCE VLKQQSCLLQNLGLSEMYFNYETKSALET LQEEKPELTVVFPSW
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term

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storage.

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;

Gene ID [114548](#)

mRNA Refseq [NM_001079821](#)

Protein Refseq [NP_001073289](#)

MIM [606416](#)

UniProt ID [Q96P20](#)

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