



Recombinant Human NLRP3 Protein Product Manual

1. Product Basic Information

Product No.: REP07602

Protein Name: NLRP3

Aliases: All; AVP; FCU; MWS; FCAS; KEFH; CIAS1; FCAS1; NALP3; C1orf7; CLR1.DFNA34; PYPAF1; AGTAVPRL; cryopyrin

UniProt ID: Q96P20

UniProt Link: <https://www.uniprot.org/uniprotkb/Q96P20/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (1-536aa)

Molecular Weight: 66.1 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-536aa)

MKMASTRCKLARYLEDLEDVDLKKFKMHLEDYPPQKGCIPRPGQTEKADHVDLAT
LMIDFNAGEEKAWAMAVWIFAAINRRDLYEKAKRDEPKWGSNDARVSNPTVICQEDS
IEEEWMGLLEYLSRISICKMKKDYRKRYRKYVRSRFQCIEDRNARLGESVSLNKRYT
RLRLIKEHRSQQEREQELLAIGKTKTCESPVSPIKMELLFDPDDEHSEPVHTVVFQG
AAGIGKTLARKMMLDWASGTLYQDRFDYLFYIHCREVSLVTQRSLGDLIMSCCPDP
NPPIHKIVRKPSRILFLMDGFDELQGAFFDEHIGPLCTDWQKAERGDILLSSLIRKKLLP
EASLLITTRPVALEKLQHLLDHPRHVEILGFSEAKRKEYFFKYFSDEAQARAAFSLIQ
ENEVLFTMCFIPLVCWIVCTGLKQQMESGKSLAQTSTTTAVYVFFLSSLLQPRGGS
QEHGLCAHLWGLCSLAADGIWNQKILFEESDLRNHGLQKADVSAFLRMNLFQKEV
DCEKFYSFIHMTFQEFFAAMYLL

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human NLRP3 partial protein (1-536aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. NLRP3, also known as AI1 or AVP or FCU, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.