

## NLRP3 Protein, Human, Recombinant (aa 1-536, His)

### General Information

Synonyms: C1orf7;PYPAF1;CIAS1;NALP3

Protein Construction: 1-536 aa

Species: Human

Expression Host: E. coli

Accession: Q96P20

Molecular Weight: 66.1 kDa (Predicted)

AA Sequence: MKMASTRCKLARYLEDLEDVDLKKFKMHLEDYPPQKGCIPRQTEKADHVDLATLMIDFNNGEEKAWAMA  
VWIFAAINRRDLYEKAKRDEPKWGSNDARVSNPTVICQEDSIEEEMGLLEYLSRISICKMKKDYRKKYRKYV  
RSRFQCIEDRNARLGESVSLNKRYTRLRLIKEHRSQQEREQELLAIGKTKTCESPVSPIKMELLPDDEHSEPV  
HTVVFQGAAGIGKTLARKMMLDWASGTYQDRFDYLFYIHCREVSLVTRSLGDLIMSCCPDPNPIHKIVRK  
PSRILFLMDGFDELQGAFFDEHIGPLCTDWQKAERGDILLSSLIRKLLPEASLLITTRPVALEKLQHLLDHPRHVE  
ILGFSEAKRKEYFFKYFSDEAQAARAFSLIQENEVLFMCFIPLVCWIVCTGLKQQMESGKSLAQTSKTTTAVYV  
FFLSSLLQPRGGSQEHGLCAHLWGLCSLAADGIWNQKILFEESDLRNHGLQKADVSAFLRMNLFQKEVDCEK  
FYSFIHMTFQEFFAAMYLL

### QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it.

Purity: > 90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris/PBS based buffer

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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