

Human NLRP3 Protein

Cat. No. NLR-HE0P3

Description

Source	Recombinant Human NLRP3 Protein is expressed from E.coli with GST tag at the N-terminal. It contains Lys131-Val704.
Accession	Q96P20-2
Molecular Weight	The protein has a predicted MW of 93.20 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

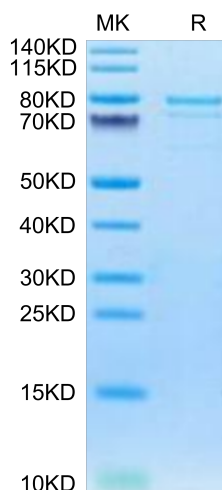
Formulation	Supplied as 0.22µm filtered solution in 20mM Tris, 500mM NaCl, 10%glycerol, 2mM DTT (pH 8.5). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

Background

NLRP3 (NOD-, LRR- and pyrin domain-containing protein 3) is an intracellular sensor that detects a broad range of microbial motifs, endogenous danger signals and environmental irritants, resulting in the formation and activation of the NLRP3 inflammasome. Assembly of the NLRP3 inflammasome leads to caspase 1-dependent release of the pro-inflammatory cytokines IL-1β and IL-18, as well as to gasdermin D-mediated pyroptotic cell death.

Assay Data

Tris-Bis PAGE



Human NLRP3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.