antibodies -online.com





NLRP3 Protein (AA 2-1036) (DYKDDDDK Tag)



Go to Product pag

Overview

Quantity:	100 μg
Target:	NLRP3
Protein Characteristics:	AA 2-1036
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NLRP3 protein is labelled with DYKDDDDK Tag.

Product Details

Purpose:	Recombinant Human NLRP3 with C-terminal Flag tag
Specificity:	NLRP3 (Lys2-Trp1036) Flag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	NLRP3
Alternative Name:	NLRP3 (NLRP3 Products)
Background:	This gene encodes a pyrin-like protein containing a pyrin domain, a nucleotide-binding site

(NBS) domain, and a leucine-rich repeat (LRR) motif. This protein interacts with the apoptosis-associated speck-like protein PYCARD/ASC, which contains a caspase recruitment domain, and is a member of the NALP3 inflammasome complex. This complex functions as an upstream activator of NF-kappaB signaling, and it plays a role in the regulation of inflammation, the immune response, and apoptosis. Mutations in this gene are associated with familial cold autoinflammatory syndrome (FCAS), Muckle-Wells syndrome (MWS), chronic infantile neurological cutaneous and articular (CINCA) syndrome, and neonatal-onset multisystem inflammatory disease (NOMID). Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. Alternative 5' UTR structures are suggested by available data, however, insufficient evidence is available to determine if all of the represented 5' UTR splice patterns are biologically valid. [provided by RefSeq, Oct 2008]

Molecular Weight: predicted molecular mass of 121.8 kDa after removal of the signal peptide.

UniProt: Q96P20

Pathways: Cellular Response to Molecule of Bacterial Origin, Positive Regulation of Endopeptidase Activity,
Inflammasome

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months