

Recombinant Human NLRP3

Catalog No: #GP10109



Package Size: #GP10109-1 100ug

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Description

Product Name	Recombinant Human NLRP3
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 1-300 amino acids of human NLR family, pyrin domain containing 3
Target Name	NLR family, pyrin domain containing 3
Other Names	All; AVP; FCU; MWS; FCAS; CIAS1; NALP3; C1orf7; CLR1.1; PYPAF1; AGTAVPRL
Accession No.	Swissprot:Q96P20Gene Accession:BC117211
Uniprot	Q96P20
GenID	114548;
Storage	-20~-80°C, pH 7.6 PBS

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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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