

Recombinant Full Length Human NLRP11 Protein, GST-tagged

Cat. No. NLRP11-6752HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NLRP11 full-length ORF (NP_659444.1, 1 a.a. - 1033 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1033 amino acids
Description	NALPs are cytoplasmic proteins that form a subfamily within the larger CATERPILLER protein family. Most short NALPs, such as NALP11, have an N-terminal pyrin (MEFV; MIM 608107) domain (PYD), followed by a NACHT domain, a NACHT-associated domain (NAD), and a C-terminal leucine-rich repeat (LRR) region. The long NALP, NALP1 (MIM 606636), also has a C-terminal extension containing a function to find domain (FIIND) and a caspase recruitment domain (CARD). NALPs are implicated in the activation of proinflammatory caspases (e.g., CASP1; MIM 147678) via their involvement in multiprotein complexes called inflammasomes (Tschopp et al., 2003 [PubMed 12563287]).[supplied by OMIM
Molecular Mass	144.2 kDa
AA Sequence	MAESDSTDFDLLWYLENLSDFQSFKKYLARKILDFKLPQFPLIQMTKEELANVLPI SYEGQYIWNMLFSIFSMMRKEDLCRKIIGRNRNQEACKAVMRRKFMLQWESHTFG KFHYKFFRDVSSDVFIYLQLAYDSTSYYSANNLNVFLMGERASGKTIVINLAVLRWIK GEMWQNMISYVVHLTSHEINQMTNSSLAEIAKDWPDGQAPIADILSDPKLLFILED

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LDNIRFELNVNESALCSNSTQKVPIPVLLVSLLKRKMAPGCWFLISSRPTRGNNVKTF
 LKEVDCCTTLQLSNGKREIYFNSFFKDRQRASAALQLVHEDEILVGLCRVAILCWITC
 TVLKRQMDKGRDFQLCCQTPTDLHAHFLADALTSEAGLTANQYHLGLLKRLCLLAA
 GGLFLSTLNFSGEDLRCVGFTEADVSVLQAANILLPSNTHKDRYKFIHLNVQEFCTAI
 AFLMAVPNYLIPSGSREYKEKREQYSDFNQVFTFIFGLLNANRRKILETSFGYQLPMV
 DSKWYSVGYMKHLDRDPEKLTHHMP LFYCLYENREEEFVKTIVDALMEVTVYLQS
 DKDMMVSLYCLDYCCHLRTLKLSVQRIFQNKEPLIRPTASQMKSLVYWREICSLFYT
 MESLRELHIFDNDLNGISERILSKALEHSSCKLRTLKLSYVSTASGFEDLLKALARNRS
 LTYLSINCTSISLNMFSLLHDILHEPTCQISHLSLMKCDLRASECEEIASLLISGGSLRK
 LTLSSNPLRSDGMNILCDALLHPNCTLISLVLFCCLTENCCSALGRVLLFSPTLRQLD
 LCVNRLKNYGVLHVTFPLLFP TCQLEELHLSGCF FSSDICQYIAIVATNEKLRSL EIGS
 NKIEDAGMQLLCGGLRHPNCMLVNIGLEECMLTSACCRSLASVLTTNKT LERL NLLQ
 NHLGNDGVAKLLESISPDCVLKVVGLPLTGLNTQTQQLMTVKERKPSLIFLSETWS
 LKEGREIGVTPASQPGSIIPNSNLDYMFFKFPRMSAAMRTSNTASRQPL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [NLRP11 NLR family, pyrin domain containing 11 \[Homo sapiens \]](#)

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Official Symbol	NLRP11
Synonyms	NLRP11; NLR family, pyrin domain containing 11; NACHT, leucine rich repeat and PYD containing 11 , NALP11; NACHT, LRR and PYD domains-containing protein 11; CLR19.6; NOD17; nucleotide binding oligomerization domain; leucine rich repeat and pyrin domain containing 11; PAN10; PYPAF6; PAAD- and NACHT-containing protein 10; PYRIN-containing APAF1-like protein 6; PAAD- and NACHT-containing protein 10B; NACHT, LRR and PYD containing protein 11; PAAD-and NACHT domain-containing protein 10; NACHT, leucine rich repeat and PYD containing 11; nucleotide-binding oligomerization domain protein 17; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 11; NALP11; PYPAF7; FLJ26273;
Gene ID	204801
mRNA Refseq	NM_145007
Protein Refseq	NP_659444
MIM	609664
UniProt ID	P59045