

Recombinant Human NLRP13 Protein, GST-tagged

Cat. No. NLRP13-5920H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NLRP13 full-length ORF (AAI48743.1, 1 a.a. - 1043 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	NALPs are cytoplasmic proteins that form a subfamily within the larger CATERPILLER protein family. Most short NALPs, such as NALP13, 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	141.68 kDa
AA Sequence	MNFSVITCPNGGTNQGLLPYLMALDQYQLEEFKLCLEPQQQLMDFWSAPQGHFPRIP WANLRAADPLNLSFLLDEHFPGQAWKVVLGIFQTMNLTSLCEKVRAEMKENVQTQ ELQDPTQEDLEMLEAAAGNMQTQGCQDPNQEELDELEEETGNVQAQGCQDPNQE EPEMLEEADHRRKYRENMKAEELLETWDNISWPKDHVYIRNTSKDEHEELQRLLDPN RTRAQAQTIVLVGRAGVGKTTLAMQAMLHWANGVLFQQRFSYVFYLSCHKIRYMKE

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TTFAELISLDWPDFDAPIEEFMSQPEKLLFIIDGFEEIIISESRSESLDDGSPCTDWYQE
 LPVTKILHSLLKKELVPLATLLITIKTWVFRDLKASLVNPCFVQITGFTGDDL RVYFMRH
 FDDSSSEVEKILQQLRKNETLFHSCSAPMVCWTVCSCLKQPKVRYDYDLQSITQT TTSL
 YAYFFSNLFSTA EVDLADDSWPGQWRALCSLAIEGLWSMNFTFNKEDTEIEGLEVPF
 IDSLYEFNILQKINDCGGCTTFTHL SFQEFFAAMSFVLEEPREFPPHSTKPQEMKMLL
 QHVLLDKEAYWTPVVLFFFGLLNKNIARELED TLHCKISPRVMEELLKWGEELGKAE
 SASLQFHILRLFHCLHESQEEDFTKKMLGRIFEVDLNILEDEELQASSFCLKHCKRLN
 KLRLSVSSHILERDLEILETSKFDSRMHAWNSICSTLV TNENLHELDLSNSKLHASSV
 KGLCLALKNPRCKVQKLTCKSVTPEWVLQDLIALQGNSKLTHLNFSSNKLGMTVPLI
 LKALRHSACNLKYLCLEKCNLSAASCQDLALFLT SIQHVT RLC LGFNRLQDDGIKLLC
 AALTHPKCALERLELWFCQLAAPACKHLSDALLQNRSLTHLNL SKNSLRDEGVKFLC
 EALGRPDGNLQSLNLSGCSFTREGCGELANALSHNHNVKILD LGENDLQDDGVKLL
 CEALKPHRALHTLGLAKCNLT TACCQHLFSVLSSSKSLVNLNLLGNELDTDGVKMLC
 KALKKSTCRLQKLG

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.

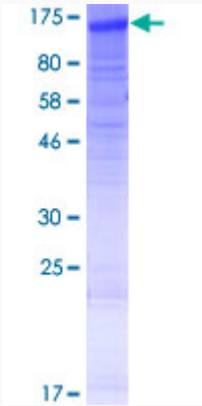
GENE INFORMATION

Gene Name
 NLRP13 NLR family, pyrin domain containing 13 [Homo sapiens]

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Official Symbol	NLRP13
Synonyms	NLRP13; NLR family, pyrin domain containing 13; NACHT, leucine rich repeat and PYD containing 13 , NALP13; NACHT, LRR and PYD domains-containing protein 13; CLR19.7; NOD14; nucleotide binding oligomerization domain; leucine rich repeat and pyrin domain containing 13; PAN13; NACHT, LRR and PYD containing protein 13; NACHT, leucine rich repeat and PYD containing 13; nucleotide-binding oligomerization domain protein 14; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 13; NALP13;
Gene ID	126204
mRNA Refseq	NM_176810
Protein Refseq	NP_789780
MIM	609660
UniProt ID	Q86W25
Quality Control Testing:	

12.5% SDS-PAGE Stained with Coomassie Blue.

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