

Recombinant Human NLRP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NLRP1-4076H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NLRP1 MS Standard C13 and N15-labeled recombinant protein (NP_127497) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the Ced-4 family of apoptosis proteins. Ced-family members contain a caspase recruitment domain (CARD) and are known to be key mediators of programmed cell death. The encoded protein contains a distinct N-terminal pyrin-like motif, which is possibly involved in protein-protein interactions. This protein interacts strongly with caspase 2 and weakly with caspase 9. Overexpression of this gene was demonstrated to induce apoptosis in cells. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene, but the biological validity of some variants has not been determined.
Molecular Mass	165.7 kDa
AA Sequence	MAGGAWGRLACYLEFLKKEELKEFQLLLANKAHSRSSSGETPAQPEKTSGMEVASYLVAQYGEQRAWDLALHTWEQMGLRSLCAQAQEGAGHSPSPFPYSPSEPHLGSPSQPTSTAVLMPWIHELPAGCTQGSERRVLRQLPDTSGRRWREISASLLYQALPSSPDHESPSQESPNAPTSTAVLGSWGSPQPQLAPREQEAPGTQWPLDETSGIYYTEIREREKSEKGRPPWAAVVGTPPQAHTSLQPHHHPWEPSVRESLCSTWPWKNEFDNQ

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KFTQLLLLQRPHPRSQDPLVKRSWPDYVEENRGHLIEIRDLFGPGLDTQEPRIVILQG
AAGIGKSTLARQVKEAWGRGQLYGDRFQHVYFSCRELAQSKVVS LAELIGKDGT A
TPAPIRQILSRPERLLFILDGVDEPGWVLQEPSSSELCLHWSQPQPADALLGSLLGKTI
LPEASFLITARTTALQNLIPSLEQARWVEVLGFSESSRKEYFYRYFTDERQAIRAFRL
VKS NKELWALCLVPWVSWLACTCLMQQMKRKEKLTLSKTTTTLCLHYLAQALQAQ
PLGPQLRDLCSLAAEGIWQKKT LFS PDDL RKHGLDGAISTFLKMGILQEHIPLSYSF
IHL CFQEFFAAMS YVLEDEKGRGKHSNCIIDLEKTLEAYGIHGLFGASTTRFLLGLLSD
EGEREMENIFHCRLSQGRNLMQWVPSLQLLLQPHSLES LHCLYETR NKTFLTQVMA
HFEEMGMCVETDMELLVCTFCIKFSRHVKKLQ LIEGRQHRSTWSPTMVV LFRWVPV
T DAYWQILFSVLKVTRNLKELDLSGNSLSHSAVKSLCKTLRRPRCLLET LRLAGCGLT
AEDCKDLAFLRANQTLTELDLSFNVLT DAGAKHLCQRLRQP SCKLQRLQLVSCGL
TSDCCQDLASVLSASPSLKELDLQQNNLDDVGVRLLCEGLRHPACKLIRLGLDQTTL
SDEM RQELRALEQEKPQLLIFSRRKPSVMTPT EGLDTGEMSNSTSSLKRQRLG SER
AASHVAQANLKLDDVSKIFPIAEIAEESSPEVVPVELLCVPSPASQGD LHTKPLGTDD
DFWGPTGPVATEVVDKEKNLYRVHFPVAGSYRWPNTGLCFVMREAVTVEIEFCVW
DQFLGEINPQHSHWMVAGPLLDIKAEPGAVEAVHLP HFVALQGGHVDTS LFQMAHFK
EEGMLLEKPARVELHHIVLENPSFSPLGVLLKMIHNALRFIPVTSV VLLYHRVHP EEVT
FHLYLIPSDCSIRKAID DLEMKFQFVRIHKPPPLTPLYMGCRYTVSGSGSGM LEILPKE
LELCYRSPGEDQLFSEFYVGH LSGS GIRLQVKDKKDETLVWEALVKPGD LMPATT LIP
PARI AVPSPLDAPQLLHFVDQYREQLIARVTSVEVVLDKLHGQVLSQE QYERVLAEN
TRPSQMRKLFSLSQSWDRKCKDGLYQALKETHPHLIMELWEKGSKKGLLPLSSTRT
RPLEQKLISEEDLAANDILDYKDDDDKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Stability

Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage

Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

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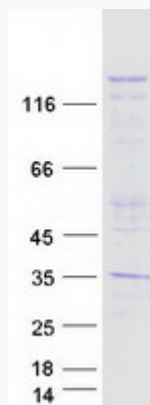
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Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	NLRP1 NLR family pyrin domain containing 1 [Homo sapiens (human)]
Official Symbol	NLRP1
Synonyms	NLRP1; NLR family, pyrin domain containing 1; NACHT, leucine rich repeat and PYD (pyrin domain) containing 1, NALP1; NACHT, LRR and PYD domains-containing protein 1; CARD7; CLR17.1; DEFCAP; DKFZp586O1822; KIAA0926; NAC; nucleotide binding oligomerization domain; leucine rich repeat and pyrin domain containing 1; caspase recruitment domain protein 7; NACHT, LRR and PYD containing protein 1; NACHT, leucine rich repeat and PYD containing 1; caspase recruitment domain-containing protein 7; nucleotide-binding domain and caspase recruitment domain; death effector filament-forming Ced-4-like apoptosis protein; NACHT, leucine rich repeat and PYD (pyrin domain) containing 1; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 1; NALP1; SLEV1; PP1044; VAMAS1; DEFCAP-L/S;
Gene ID	22861
mRNA Refseq	NM_033004
Protein Refseq	NP_127497
MIM	606636
UniProt ID	Q9C000

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SDS-PAGE

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