

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	MAGGAWGRLACYLEFLKKEELKEFQLLANKAHSRSSSGETPAQPEKTSGMEVASYLVAQYGEQRAWDLALHTWEQMGLRSLCAQAQEGAGHSPSPFPYSPSEPHLGSPSQPTSTAVLMPWIHELPAGCTQGSERRVLRQLPDTSGRRWREISASLLYQALPSSPDHESPSQESPNAPTSTAVLGSWGSPQPQLAPREQEAPGTQWPLDETSGIYYTEIREREKSEKGRPPWAAVVGTPPQAHTSLQPHHHPWEPSVRESLCSTWPWKNEFDNQ

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KFTQLLLLQRPHPRSQDPLVKRSPDYVEENRGHLIEIRDLFGPGLDTQEPRIVILQG
AAGIGKSTLARQVKEAWGRGQLYGDRFQHVYFSCRELAQSKVVS LAELIGKDGT A
TPAPIRQILSRPERLLFILDGVDEPGWVLQEPSSSELCLHWSQPQPADALLGSLLGKTI
LPEASFLITARTTALQNLIPSLEQARWVEVLGFSESSRKEYFYRYFTDERQAIRAFRL
VKSNEKELWALCLVPWVSWLACTCLMQQMKRKEKLTLSKTTTTLCLHYLAQALQAQ
PLGPQLRDLCSLAAEGIWQKKT LFS PDDL RKHGLDGAISTFLKMGILQEHIPLSYSF
IHLCFQEFFAAMS YVLEDEKGRGKHSNCIIDLEKTLEAYGIHGLFGASTTRFLLGLLSD
EGEREMENIFHCRLSQGRNLMQWVPSLQLLLQPHSLES LHCLYETRNTFLTQVMA
HFEEMGMCVETDMELLVCTFCIKFSRHVKKLQ LIEGRQHRSTWSPTMVVLF RWPV
TDAYWQILFSVLKVTRNLKELDLSGNSLSHSAVKS LCKTLRRPRCLLET LRLAGCGLT
AEDCKDLAFGLRANQTLTELDLSFNVLT DAKAHL CQRLRQP SCKLQRLQLVSCGL
TSDCCQDLASVLSASPSLKELDLQNNLDDVGVRLLCEGLRHPACKLIRLGLDQTTL
SDEM RQELRALEQEK PQLLIFSRRKPSVMTPT EGLDTGEMSNSTSSLKRQRLG SER
AASHVAQANLKLDDVSKIFPIAEIAEESSPEVVPVELLCVPSPASQGD LHTKPLGTDD
DFWGPTGPVATEVVDKEKNLYRVHFPVAGSYRWPNTGLCFVMREAVTVEIEFCVW
DQFLGEINPQH SWMVAGPLLDIKAEPGAVEAVHLP HFVALQGGHVDTS LFQMAHFK
EEGMLLEKPARVELHHIVLENPSFSPLGVLLKMIHNALRFIPVTSV VLLYHRVHP EEVT
FHLYLIPSDCSIRKAID DLEMKFQFVRIHKPPPLTPLYMGCRYTVSGSGSGM LEILPKE
LELCYRSPGEDQLFSEFYVGH LSGS GIRLQVKDKKDETLVWEALVKPGDLMPATT 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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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

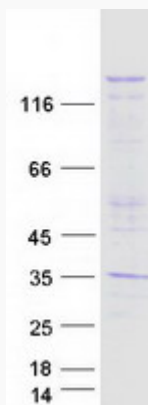
MIM 606636

UniProt ID Q9C000

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SDS-PAGE

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