

Product datasheet for TP316481M

NALP1 (NLRP1) (NM_033004) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human NLR family, pyrin domain containing 1 (NLRP1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216481 representing NM_033004 Red=Cloning site Green=Tags(s)

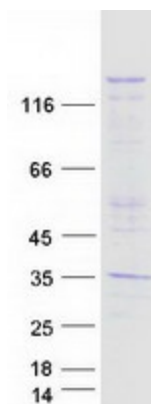
MAGGAWGLACYLEFLKKEELKEFQLLLANKAHSRSSSGETPAQPEKTSGMEEVASYLVAQYGEQRAWDLA
LHTWEQMGLRSLCAQAQEGAGHSPSPFPYSPSEPHLGSPSQPTSTAVLMPWIHELPAAGCTQGERRVLRQL
PDTSGRRWREISASLLYQALPSSPDHESPSQESPNAPTSTAVLGSWGSPQPPLAPREQEAPGTQWPLDE
TSGIYYTEIREREREKSEKGRPPWAAVVGTPPQAHTSLQPHHPWEPSVRESLCTWPKNEDFNQKFTQ
LLLLQRPHPRSQDPLVKRSPDYVEENRGLHIEIRDLFGPGLDTQEPRIVILQGAAGIGKSTLARQVKEA
WGRGQLYGDRFQHVYFSCRELAQSKVSLAELIGKDGATAPAPIRQILSRPERLLFILDGVDPEGWVLQ
EPSELCLHWSQPQPADALLGSLLGKTLPEASFLITARTTALQNLIQSLEQARWVEVLGFSESSRKEYF
YRYFTDERQAIRAFRLVKSNEKELWALCLVPWVSWLACTCLMQMQRKEKLTLSKTTTTLCLHYLAQALQ
AQPLGPQLRDLCSLAAEGIWQKTLFSPDDLKHKGLDGAIISTFLKMGILQEHPIPLSYSFIHLCFQEFF
AAMSYVLEDEKGRGKHSNCIIDLEKTLAYGIHGLFGASTTRFLLGLLSDEGEREMENIFHCRLSQGRNL
MQWVPSLQLLLQPHSLES LHCLYETRNTFTLQVMAHFEEMGMCVETDMELLVCTFCIKFSRHVKKLQLI
EGRQHRSTWSPTMWWLFRWVPVTDAYWQILFVSLKVTRNLKELDLSGNSLSHSAVKSLCKTLRRRPRCLLE
TLRLAGCGLTAEDCKDLAFGLRANQTLTELDLSFNVLTDAGAKHLCQRLRQPSCKLQRLQLVSCGLTSDC
CQDLASVLSASPSLKELDLQNNLDDVGVRLCEGLRHPACKLIRLGLDQTTLSDEMQRQELRALEQEKQP
LLIFSRKPSVMTPTTEGLDTGEMSNSTSSLRQRLGSEARAASHVAQANLKLDDVSKIFPIAIEAIEESSPE
VWPVELLCVPSASQGD LHTKPLGTDDDFWGPVATEVVDKEKNLYRVHFPVAGSYRWPNTGLCFVMR
EAVTVEIEFCVWDQFLGEINPQHSWMVAGPLLDIKAEPGAVEAVHLPHFVALQGGHVDTSLFQMAHFKEE
GMLLEKPARVELHHIVLENPSFSPGLVLLKMIHNALRFIPVTSVLLYHRVHPEEVTFHLYLIPSDCSIR
KAIDLEMKFQFVRIHKPPPLTPLYMGCRTVSGSGSMLEILPKELELCYRSPGEDQLFSEFYVGHLSG
GIRLQVKDKKDETLVWEALVKPGDLM PATT LIPARI AVPSPLDAPQLLHFVDQYREQLIARVTSVEVVL
DKLHGQVLSQEYERVAENTRPSQMRKLFSLSQSWDRKCKDGLYQALKETHPHLIMELWEKGSKKGLLP
LSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



[View online >](#)

Tag:	C-Myc/DDK
Predicted MW:	165.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_127497
Locus ID:	22861
UniProt ID:	Q9C000
RefSeq Size:	5617
Cytogenetics:	17p13.2
RefSeq ORF:	4419
Synonyms:	AIADK; CARD7; CIDED; CLR17.1; DEFCAP; DEFCAP-L/S; JRRP; MSPC; NAC; NALP1; PP1044; SLEV1; VAMAS1
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	NOD-like receptor signaling pathway

Product images:

Coomassie blue staining of purified NLRP1 protein (Cat# [TP316481]). The protein was produced from HEK293T cells transfected with NLRP1 cDNA clone (Cat# [RC216481]) using MegaTran 2.0 (Cat# [TT210002]).