

Product datasheet for TP307991M

NALP4 (NLRP4) (NM_134444) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens NLR family, pyrin domain containing 4 (NLRP4), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207991 representing NM_134444 Red=Cloning site Green=Tags(s)

MAASFFSDFGLMWYLEELKKEEFRKFKEHLKQMTLQLELKQIPWTEVKKASREELANLLIKHYEEQQAWN
ITLRIFQKMDRDLCKMVMRERTGYTKTYQAHAKQKFSRLWSSKSVTEIHLVFEEVKQEEDHDLRDLFA
PKEAGKQPRTVIIQGPQGIGKTTLLMKLMMAWSDNKIFRDRFLYTFYCCRELRELPPPTSLADLISREW
DPAAPITEIVSQPERLLFVIDSFEELQGGLEPDSDLCDLMEKRPVQVLLSSLLRKKMLPEASLLIAIK
PVCPELRDQVTISEIYQPRGFNEDRLVYFCCFFKDPKRAMAFNLVRESEQLFSICQIPLLCWILCTS
LKQEMQKGGDLALTCQSTTSVYSSFVFNLFPTDGAEGPTQQTQHQLKALCSLAAEGMWTDTFEFCEDDLR
RNGVVDADIPALLGTKILLKYGERESSYVFLHVCIQEFCAALFYLLKSHLDHPPAVRCVQELLVANFEK
ARRAHWIFLGCFLTGLLNKKEQEKLDAFFGFQLSQEIKQQIHQCLKSLGERGNPQGQVDSLAIIFYCLFEM
QDPAFVKQAVNLLQEANFHIIIDNVDLWVSAYCLKYCSSLRKLCFSVQNVFKKEDEHSSTSDYSLICWHHI
CSVLTTSGLHRELQVQDSTLSESTFVTWCNQLRHPSCRLQKLGNNVSFSGQSVLLFEVLFYQPDLYLS
FTLTKLSRDDIRSLCDALNYPAGNVKELALVNCHLSPIDCEVLGALLTNNKLTLYLNVSQNLDTGVPLL
CEAMCSPDVLVYMLAFCHLSEQCCEYISEMLLRNKSRYLDLSANVLKDEGLKTLCEALKHPDCCLDS
LCLVKCFITAAGCEDLASALISQNLKILQIGCNEIGDVGVLQCRALHTHTDCRLEILGLEECGLTSTCC
KDLASVLTCSKTLQLLNLTLDHTGVVLCALRHPECALQVLGLRKTDFDEETQALLTAEERNPNL
TITDDCDTITRVEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

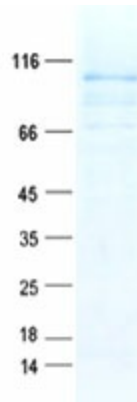
Tag:	C-Myc/DDK
Predicted MW:	113.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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_604393
Locus ID:	147945
UniProt ID:	Q96MN2 , B2RCA1
RefSeq Size:	3339
Cytogenetics:	19q13.43
RefSeq ORF:	2982
Synonyms:	CLR19.5; CT58; NALP4; PAN2; PYPAF4; RNH2
Summary:	The protein encoded by this gene is a member of the nucleotide-binding and leucine-rich repeat receptor (NLR) family, and is predicted to contain an N-terminal pyrin effector domain (PYD), a centrally-located nucleotide-binding and oligomerization domain (NACHT) and C-terminal leucine-rich repeats (LRR). This gene product has a demonstrated role as a negative regulator of autophagy and type I interferon signaling pathways as a result of protein interactions with its NACHT domain. The PYD domain has also been shown to be important in the inhibition of NF-κB (nuclear factor kappa-light-chain-enhancer of activated B cells). [provided by RefSeq, Dec 2016]

Product images:



Coomassie blue staining of purified NLRP4 protein (Cat# [TP307991]). The protein was produced from HEK293T cells transfected with NLRP4 cDNA clone (Cat# [RC207991]) using MegaTran 2.0 (Cat# [TT210002]).