

## Product datasheet for TP307991L

### 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), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207991 representing NM_134444 Red=Cloning site Green=Tags(s)

MAASFFSDFGLMWYLEELKKEEFRKFKEHLKQMTLQLELKQIPWTEVKKASREELANLLIKHYEEQQAWN  
ITLRIFQKMDRDLCKMVMRERTGYTKTYQAHAKQKFSRLWSSKSVTEIHLVFEEVKQEEDHLDRLFA  
PKEAGKQPRTVIIQGPQGIGKTTLLMKLMMAWSDNKIFRDRFLYTFYCCRELRELPPPTSLADLISREW  
DPAAPITEIVSQPERLLFVIDSFEELQGGLEPDSDLCDLMEKRPVQVLLSSLLRKKMLPEASLLIAIK  
PVCPELRDQVTISEIYQPRGFNEDRLVYFCCFFKDPKRAMAFNLVRESEQLFSICQIPLLCWILCTS  
LKQEMQKGDALTCQSTTSVYSSFVFNLFPTDGAEGPTQQTQHQLKALCSLAAEGMWTDTFEFCEDDLR  
RNGVVDADIPALLGTKILLKYGERESSYVFLHVCIQEFCAALFYLLKSHLDHHPAVRCVQELLVANFEK  
ARRAHWIFLGCFLTGLLNKKEQEKLDAFFGFQLSQEIKQQIHQCLKSLGERGNPQGQVDSLAIIFYCLFEM  
QDPAFVKQAVNLLQEANFHIIIDNVDLWVSAYCLKYCSSLRKLCFSVQNVFKKEDEHSSTSDYSLICWHHI  
CSVLTTSGHLRELQVDSTLSESTFVTWCNQLRHPSCRLQKLGNNVFSFGQSVLLFEVLFYQPDLYLS  
FTLTKLSRDDIRSLCDALNYPAGNVKELALVNCHLSPIDCEVLGALLTNNKLTLYLNVSNCNLDTGVPLL  
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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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_604393</a>
<b>Locus ID:</b>	147945
<b>UniProt ID:</b>	<a href="#">Q96MN2</a> , <a href="#">B2RCA1</a>
<b>RefSeq Size:</b>	3339
<b>Cytogenetics:</b>	19q13.43
<b>RefSeq ORF:</b>	2982
<b>Synonyms:</b>	CLR19.5; CT58; NALP4; PAN2; PYPAF4; RNH2
<b>Summary:</b>	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]).