

## Product datasheet for TP301357L

### NALP2 (NLRP2) (NM\_017852) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human NLR family, pyrin domain containing 2 (NLRP2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201357 representing NM_017852 Red=Cloning site Green=Tags(s)

MVSSAQMGMFNLQALLEQLSQDELKFKYLITTFSLAHELQKIPHKEVDKADGKQLVEILTTHCDSYWVEM  
ASLQVFEKMRMDLSERAKDEVREAALKSFNKRKPLSLGITRKRPPPLDVDEMLERFKTEAQFTETKGN  
VICLGKEVFKGKPKDKDNRCRYILKTKFREMWKSWPGDSKEVQVMAERYKMLIPFSNPRVLPGPSYTVV  
LYGPAGLGKTTLAQKMLDWAEDNLIHKFKYAFYLSCRELSRLGPCSFAELVFRDWPELQDDIPHILAQA  
RKILFVIDGFDELGAAPGALIEDICGDWEKKKPVVLLGSLNVRVMLPKAALLVTRPRALRDLRLAE  
PIYIRVEGFLEEDRRAYFLRHFGDEDQAMRAFELMRSNAALFQLGSAPAVCWIVCTTLKLQMEKGEDPVP  
TCLTRTGLFLRFLCSRFPQGAQLRGALRTLSLLAAQGLWAQTSVLHREDLERLGVQESDLRLFLDGDILR  
QDRVSKGCYSFIHLSFQQFLTALFYTLEKEEEDRDGHTWDIGDVQKLLSGVERLRNPDLIQAGYYSFGL  
ANEKRAKELEATFGCRMSPDIKQELLRCDISCKGGHSTVTDLQELLGCLYESQEEELVKEVMAQFKEISL  
HLNAVDVWPSSFCVKHCRNLQKMSLQVIKENLPENVTASESDAEVRSQDDQHMLPFWTDLCSIFGSNKD  
LMGLAINDSFLSASLVRLCEQIASDTCHLQRVVFKNISPADAHRNLCLALRGHKTVTYTLTQGNDQDDM  
FPALCEVLRHPECNLRYLGLVSCSATTQQWADLSLALEVNQSLTCVNLSDNELLDEGAKLLYTLRHPKC  
FLQRLSLENCHLTEANCKDLAAVLVVSRELTHLCLAKNPIGNTGVKFLCEGLRYPECKLQTLVLWNCBIT  
SDGCCDLTKLLQEKSSLLCLDLGLNHIGVKGMKFLCEALRKPLCNLRCLWLWGCSIPPFCEDLCSALSC  
NQSLVTLDLQNPGLGSSGVKMLFETLTCSSGLRTRLRKIDDFNDELNKLLEIEEKNPQLIIDTEKHHP  
WAERPSSHDFMI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

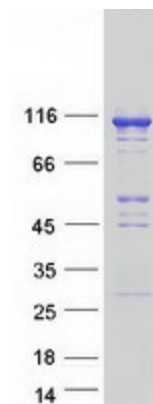
Tag:	C-Myc/DDK
Predicted MW:	120.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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_060322</a>
<b>Locus ID:</b>	55655
<b>UniProt ID:</b>	<a href="#">Q9NX02</a>
<b>RefSeq Size:</b>	3531
<b>Cytogenetics:</b>	19q13.42
<b>RefSeq ORF:</b>	3186
<b>Synonyms:</b>	CLR19.9; NALP2; NBS1; PAN1; PYPAF2
<b>Summary:</b>	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). Members of this gene family are thought to be important regulators of immune responses. This gene product interacts with components of the I $\kappa$ B kinase (IKK) complex, and can regulate both caspase-1 and NF- $\kappa$ B (nuclear factor kappa-light-chain-enhancer of activated B cells) activity. The pyrin domain is necessary and sufficient for suppression of NF- $\kappa$ B activity. An allelic variant (rs147585490) has been found that is incapable of blocking the transcriptional activity of NF- $\kappa$ B. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2016]

### Product images:



Coomassie blue staining of purified NLRP2 protein (Cat# [TP301357]). The protein was produced from HEK293T cells transfected with NLRP2 cDNA clone (Cat# [RC201357]) using MegaTran 2.0 (Cat# [TT210002]).