

## Product datasheet for TP301357

### 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), 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC201357 representing NM\_017852  
Red=Cloning site Green=Tags(s)

MVSSAQMGMFNLQALLEQLSQDELKFKYLITTFSLAHELQKIPHKEVDKADGKQLVEILTTHCDSYWVEM  
 ASLQVFEKMRMDLSERAKDEVREAALKSFNKRKPLSLGITRKRPPPLDVDEMLERFKTEAQAFETETKGN  
 VICLGKEVFKGKKPKDKNRCRYILKTKFREMWKSWPGDSKEVQVMAERYKMLIPFSNPRVLPGPSYTVV  
 LYGPAGLGKTTLAQKMLDWAEDNLIHKFKYAFYLSCRELSRLGPCSFAELVFRDWPELQDDIPHILAQA  
 RKILFVIDGFDELGAAPGALIEDICGDWEKKKPVVLLGSLNLRVMLPKAALLVTRPRALRDLRLAE  
 PIYIRVEGFLEEDRRAYFLRHFGDEDQAMRAFELMRSNAALFQLGSAPAVCWIVCTTLKLQMEKGEDPVP  
 TCLTRTGLFLRFLCSRFPQGAQLRGALRTLSLLAAQGLWAQTSVLHREDLERLGVQESDLRLFLDGDILR  
 QDRVSKGCYSFIHLSFQQFLTALFYTLEKEEEDRDGHTWDIGDVQKLLSGVERLRNPDLIQAGYYSFGL  
 ANEKRAKELEATFGCRMSPDIKQELLRCDISCKGGHSTVTDLQELLGCLYESQEEELVKEVMAQFKEISL  
 HLNADVVPSSFCVKHCRNLQKMSLQVIKENLPENVTASESDAEVRSQDDQHMLPFWTDLCSIFGSNKD  
 LMGLAINDSFLSASLVRLCEQIASDTCHLQRVVFKNISPADAHRNLCLALRGHKTVTYTLTQGNDQDDM  
 FPALCEVLRHPECNLRYLGLVSCSATTQQWADLSLALEVNQSLTCVNLSDNELLDEGAKLLYTLRHPKC  
 FLQRLSLENCHLTEANCKDLAAVLVVSRELTHLCLAKNPIGNTGVKFLCEGLRYPECKLQTLVLWNC  
 SDGCCDLTKLLQEKSSLLCLDLGLNHIGVKGMKFLCEALRKPLCNLRCLWLWGCSIPPFCEDLCSALSC  
 NQSLVTLDLQNPGLGSSGVKMLFETLTCSSGLRTRLRLKIDDFNDELNKLLEIEEKNPQLIIDTEKHHP  
 WAERPSSHDFMI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

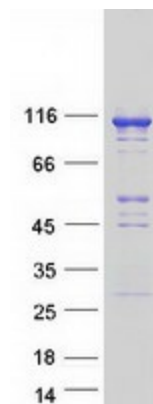
**Tag:** C-Myc/DDK  
**Predicted MW:** 120.3 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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]).