

Product datasheet for PH301357

NALP2 (NLRP2) (NM_017852) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NLRP2 MS Standard C13 and N15-labeled recombinant protein (NP_060322)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201357
Predicted MW:	120.3 kDa
Protein Sequence:	>RC201357 representing NM_017852 Red=Cloning site Green=Tags(s)

MVSSAQMGFNLQALLEQLSQDEL SKFKYLITTFSLAHELQKIPHKEVDKADGKQLVEILTTHCDSYWVEM
ASLQVFEKMRMDL SERAKDEVREAALKSFNKRKPLSLGITRKRPPLDVDEMLERFKTEAQAFTETKGN
VICLGKEVFKGKPKDKDNRCRYILKTKFREMWKSWPGDSKEVQVMAERYKMLIPFSNPRVLPGPFSYTVV
LYGPAGLGKTTLAQKMLDWAEDNLIHKFYAFYL SCREL SRLGPCSFAELVFRDWPELQDDIPHILAQA
RKILFVIDGFDELGAAPGALIEDICGDWEKPKVPVLLGSLNVRVMLPKAALLVTRPRALRDLRLAEE
PIYIRVEGFLEEDRRAYFLRHFGDEQAMRAFELMRSNAALFQLGSAPVCWIVCTTLKQMEKGEDPVP
TCLTRTGLFLRFLCSRFPQGAQLRGALRTL SLLAAQGLWAQTSVLHREDLERLGVQESDLRFLDGDILR
QDRVSKGCYSFIHLSFQQFLTALFYTLEKEEEEEDRDGHTWDIGDVQKLLSGVERLRNPDLIQAGYYSFGL
ANEKRAKLEATFGCRMSPDIKQELLRCDISCKGGHSTVTDLQELLGCLYESQEEELVKEVMAQFKEISL
HLNAVDVVPSSFVCKHCRNLQKMSLQVIKENLPENVTASESDAEVERSQDDQHMLPFWTDLCSIFGSNKD
LMGLAINDSFLSASLVRILCEQIASDTCHLQRVVFKNISPADAHRNLCLALRGHKTVTYTLTQGNQDDM
FPALCEVLRHPECNLRYLGLVSCSATTQWADLSLAEVNSQLTCVNLSDNELLDEGAKLLYTTLRHPKC
FLQRLSLENCHL TEANCKDLAAVLVVSRELTHLCLAKNPIGNTGKVKFLCEGLRYPECKLQTLVLWNCBIT
SDGCCDLTKLLQEKSSLLCLDLGLNHIGVKGMKFLCEALRKPLCNLRCLWLWGCSIPPFSCEDLCSALSC
NQSLVTLDLGQNPLGSSGVKMLFETLTCSSGTLRRLKIDDFNDELNKLLEEIEEKNPQLIIDTEKHHP
WAERPSSHDFMI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

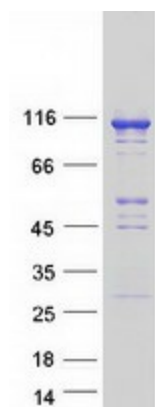
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_060322
RefSeq Size:	3531
RefSeq ORF:	3186
Synonyms:	CLR19.9; NALP2; NBS1; PAN1; PYPAF2
Locus ID:	55655
UniProt ID:	Q9NX02
Cytogenetics:	19q13.42
Summary:	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 κ B kinase (IKK) complex, and can regulate both caspase-1 and NF- κ B (nuclear factor kappa-light-chain-enhancer of activated B cells) activity. The pyrin domain is necessary and sufficient for suppression of NF- κ B activity. An allelic variant (rs147585490) has been found that is incapable of blocking the transcriptional activity of NF- κ 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]).