

Recombinant Human NLRP2 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. NLRP2-179H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NLRP2 MS Standard C13 and N15-labeled recombinant protein (NP_060322) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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 IκB kinase (IKK) complex, and can regulate both caspase-1 and NF-κB (nuclear factor kappa-light-chain-enhancer of activated B cells) activity. The pyrin domain is necessary and sufficient for suppression of NF-κB activity. An allelic variant (rs147585490) has been found that is incapable of blocking the transcriptional activity of NF-κB. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2016]
Molecular Mass	120.3 kDa
AA Sequence	MVSSAQMGFNLQALLEQLSQDELSKFKYLITTFSLAHELQKIPHKEVDKADGKQLVEI LTTHCDSYWVEMASLQVFEEKMHRMDLSERAKDEVREAALKSFNKRKPLSLGITRKE

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RPPLDVDEMLERFKTEAQAFETETKGNVICLGKEVFKGKKPKDKDNRCRYILKTKFREM
 WKSWPGDSKEVQVMAERYKMLIPFSNPRVLPGPFSYTVVLYGPAGLGKTTLAQKL
 MLDWAEDNLIHKFKYAFYLSCRELSRLGPCSFAELVFRDWPELQDDIPHILAQARKIL
 FVIDGFDELGAAPGALIEDICGDWEKKKPVVLLGSLLNRVMLPKAALLVTTRPRALR
 DLRILAEPIYIRVEGFLEEDRRAYFLRHFGDEDQAMRAFELMRSNAALFQLGSAPA
 VCWIVCTTLKLQMEKGEDPVPTCLTRTGLFLRFLCSRFPQGAQLRGALRTLSELLAAQ
 GLWAQTSVLHREDLERLGVQESDLRLFLDGDILRQDRVSKGCYSFIHLSFQQFLTAL
 FYTLEKEEEEEDRDGHTWDIGDVQKLLSGVERLRNPDLIQAGYYSFGLANEKRAKELE
 ATFGCRMSPDIKQELLRCDISCKGGHSTVTDLQELLGCLYESQEEELVKEVMAQFKE
 ISLHLNAVDVVPSSFCVKHCRNLQKMSLQVIKENLPENVTASESDAEVERSQDDQH
 MLPFWTDLCSIFGSNKDLMGLAINDSFLSASLVRILCEQIASDTCHLQRVVFKNISPAD
 AHRNLCLALRGHKTVTYLTLQGNQDDMFALCEVLRHPECNLRYLGLVSCSATTQ
 QWADLSLALEVNQSLTCVNLSDNELLDEGAKLLYTTLRHPKCFLQRLSLENCHLTEA
 NCKDLAAVLVVSRELTHLCLAKNPIGNTGKFLCEGLRYPECKLQTLVLWNCEDITSD
 GCCDLTKLLQEKSSLLCLDLGLNHIGVKGMKFLCEALRKPLCNLRCLWLWGCSIPPF
 SCEDLCSALSCNQSLVTLDLGQNPLGSSGVKMLFETLTCSGTLRTLRLKIDDFNDE
 LNKLEEEIEEKNPQLIIDTEKHHPWAERPSSHDFMITRTRPLEQKLISEEDLAANDILDY
 KDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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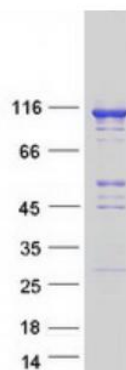
GENE INFORMATION

Gene Name	NLRP2 NLR family, pyrin domain containing 2 [Homo sapiens (human)]
Official Symbol	NLRP2
Synonyms	NLRP2; NLR family, pyrin domain containing 2; NACHT, leucine rich repeat and PYD containing 2, NALP2; NACHT, LRR and PYD domains-containing protein 2; CLR19.9; FLJ20510; NBS1; nucleotide binding oligomerization domain; leucine rich repeat and pyrin domain containing 2; PAN1; PYPAF2; nucleotide-binding site protein 1; PYRIN-containing APAF1-like protein 2; NACHT, LRR and PYD containing protein 2; NACHT, leucine rich repeat and PYD containing 2; PYRIN domain and NACHT domain-containing protein 1; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 2; NALP2;
Gene ID	55655
mRNA Refseq	NM_017852
Protein Refseq	NP_060322
MIM	609364
UniProt ID	Q9NX02

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SDS-PAGE

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