

Recombinant Human NLRP2 Protein, MYC/DDK-tagged

Cat. No. NLRP2-36H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human NLR family, pyrin domain containing 2 (NLRP2) with C-MYC/DDK tag was expressed in HEK293T.
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.
Molecular Mass	120.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [NLRP2](#)

Official Symbol [NLRP2 NLR family pyrin domain containing 2 \[Homo sapiens \(human\) \]](#)

Synonyms NLRP2; NLR family pyrin domain containing 2; NBS1; PAN1; NALP2; PYPAF2; CLR19.9; NACHT, LRR and PYD domains-containing protein 2; NACHT, leucine rich repeat and PYD containing 2; PYRIN domain and NACHT domain-containing protein 1; PYRIN-containing APAF1-like protein 2; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 2; nucleotide-binding site protein 1

Gene ID [55655](#)

mRNA Refseq [NM_017852](#)

Protein Refseq [NP_060322](#)

MIM [609364](#)

UniProt ID [Q9NX02](#)

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