

# Recombinant Full Length Human NLRP2 Protein, GST-tagged

**Cat. No.** NLRP2-6755HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human NLRP2 full-length ORF ( AAH39269, 1 a.a. - 846 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 846 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | NALP proteins, such as NALP2, are characterized by an N-terminal pyrin (MIM 608107) domain (PYD) and are involved in the activation of caspase-1 (CASP1; MIM 147678) by Toll-like receptors (see TLR4; MIM 603030). They may also be involved in protein complexes that activate proinflammatory caspases (Tschopp et al., 2003 [PubMed 12563287]).[supplied by OMIM                                                                                                                               |
| <b>Molecular Mass</b>   | 118.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MVSSAQMGFNLQALLEQLSQDELSKFKYLITTFSLAHELQKIPHKEVDKADGKQLVE<br>VLTTHCDSYWVEMASLQVFEKMHRLDLSEKAKDEVREAALKSFNKRKPLSLGITRK<br>ERPPLDVDEMLERFKTEAQAFETETKGNVICLGKEVFKGKKPKDKNRCRYILKTKFRE<br>MWKSWPGDSKEVQVMAERYKMLIPFSNPRVLPGPFSYTVVLYGPAGLGKTTLAQK<br>LMLDWAEDNLIHKFKYAFYLSCRELSRLGPCSFAELVFRDWPELQDDIPHILAQARKI<br>LFVIDGFDELGAAPGALIEDICGDWEKKKPVVLLGSLNLRVMLPKAALLVTTRPRAL<br>RDLRILAEPIYIRVEGFLEEDRRAYFLRHFGDEDQAMRAFELMRSNAALFQLGSAP<br>AVCWIVCTTLKLQMEKGEDPVPTCLTRTGLFLRFLCSRFPQGAQLRGALRTLSSLAA |

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QGLWAQTSVLHREDLERLGVQESDLRLFLDGDILRQDRVSKGCYSFIHLSFQQFLTA  
 LFYTLEKEEEEEDRDGHTWDIGDVQKLLSGVERLRNPDLIQAGYYSFGLANEKRAKEL  
 EATFGCRMSPDIKQELLRCDISCKGGHSTVTDLQELLGCLYESQEEELVKEVMAQFK  
 EISLHLNAVDVVPSSFCVKHCRNLQKMSLQVIKENLPENVTASESDAEVERSQDDQH  
 MLPFWTDLCSIFGSNKDLMGLAINDSFLSASLVRILCEQIASDTCHLQRVVFKNISPAD  
 AHRNLCLALRGHKTVTYLTLQGNDQDDMFALCEVLRHPECNLRYLGLVSCSATTQ  
 QWADLSLALEVNQSLTCVNLSDNELLDEGAKLLYTTLRHPKCFLQRLS

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

NLRP2 NLR family, pyrin domain containing 2 [ Homo sapiens ]

**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

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domain-containing protein 1; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 2; NALP2;

**Gene ID** 55655

**mRNA Refseq** NM\_001174081

**Protein Refseq** NP\_001167552

**MIM** 609364

**UniProt ID** Q9NX02

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