

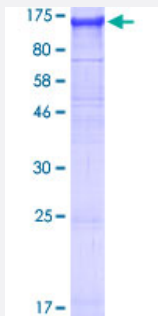
Full-Length

NLRP2 (Human) Recombinant Protein (P02)

Catalog # H00055655-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NLRP2 full-length ORF (NP_060322.1, 1 a.a. - 1062 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MVSSAQMGFNLQALLEQLSQDELKFKYLITTFSLAHELQKIPHKEVDKADGKQLVEILTTHCDSY
WVEMASLQVFEKMRMDLSERAKDEVREAALKSFNKRKPLSLGITRKRPPLDVDEMLERFKT
EAQFTETKGNVICLGKEVFKGKKPKDKNRCRYLKTKFREMWKSWPGDSKEVQVMAERYKMLI
PFSNPRVLPGPFSYTVVLYGPAGLGKTTLAQKLMLDWAEDNLIHKFKYAFYLSCRELSRLGPCSF
AELVFRDWPELQDDIPHILAQARKILFVIDGFDELGAAPGALIEDICGDWEKKKPVVLLGSLLNRV
MLPKAALLVTRPRALRDLRILAEPMRVEGFLEEDRRAYFLRHFGDEDQAMRAFELMRSNAAL
FQLGSAPAVCWIVCTTLKLQMEKGEDPVPTCLTRTGLFLRFLCSRFPQGAQLRGALRTLSLLAAQ
GLWAQTSVLHREDLERLGVQESDLRLFLDGDILRQDRVSKGCYSFIHLSFQQFLTALFYTLEKEEE
EDRDGHTWDIGDVQKLLSGVERLRNPDLIQAGYYSFGLANEKRAKELEATFGCRMSPDIKQELLR
CDISCKGGHSTVTDLQELLGCLYESQEEELVKEVMAQFKEISLHLNAVDVVPSSFVCVKHCRNLQK
MSLQVIKENLPENVTASESDAEVERSQDDQHMLPFWTDLCISFGSNKDLMGLAINDSFLSASLVR
ILCEQIASDTCHLQRVVFKNISPADAHRNLCALRGHKTVTYTLTQGNQDDMFALCEVLRHPEC
NLRYLGLVSCSATTQQWADLSALEVNQSLTCVNLSDNELLDEGAKLLYTLRHPKCFQLRSLSE
NCHLTEANCKDLAAVLVVSRELTHLCLAKNPIGNTGKFLCEGLRYPECKLQTLVLWNCDITSDG
CCDLTKLLQEKSSLLCLDLGLNHIGVKGMKFLCEALRKPLCNLRCLWLWGCSIPPFSCEDLCSAL
SCNQSLVTLDLQGNPLGSSGVKMLFETLTCSSGTLRTLRLKIDDFNDELNKLLEEIEEKNPQLIIDTE
KHHPWAERPSSHDFMI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

146.9

Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — NLRP2

Entrez GeneID	55655
GeneBank Accession#	NM_017852.1
Protein Accession#	NP_060322.1
Gene Name	NLRP2
Gene Alias	CLR19.9, FLJ20510, NALP2, NBS1, PAN1, PYPAF2
Gene Description	NLR family, pyrin domain containing 2
Omim ID	609364
Gene Ontology	Hyperlink
Gene Summary	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 (Tschoep et al., 2003 [PubMed 12563287]).[supplied by OMIM]

Other Designations

NACHT, LRR and PYD containing protein 2|NACHT, leucine rich repeat and PYD containing 2|PYRIN-Containing APAF1-like|nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 2

Disease

- [Crohn Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Neoplasms](#)
- [Recurrence](#)