

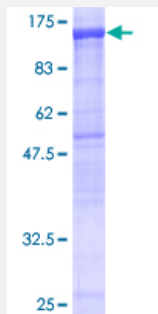
Full-Length

NLRP2 (Human) Recombinant Protein (P01)

Catalog # H00055655-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human NLRP2 full-length ORF (AAH39269, 1 a.a. - 846 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MVSSAQMGFNLQALLEQLSQDELKFKYLITTFSLAHELQKIPHKEVDKADGKQLVEVLTHCDSY
WVEMASLQVFEKMHRMDLSERAKDEVREAALKSFNKRKPLSLGITRKERPPLDVDEMLERFKT
EAQFTETKGNVICLGKEVFKGKKPKDKDNRCRYLKTFRMWWKSWPGDSKEVQVMAERYKMLI
PFSNPRVLPGPSYTVVLYGPAGLGKTTLAQKLMLDWAEDNLIHKFKYAFYLSCRELSRLGPCSF
AELVFRDWPELQDDIPHILAQARKILFVIDGFDELGAAPGALIEDICGDWEKKKPVVLLGSLLNRV
MLPKAALLVTRPRALRDLRLAEEPVRVEGFLEEDRRAYFLRHFGDEDQAMRAFELMRSNAAL
FQLGSAPAVCWIVCTTLKLQMEKGEDPVPTCLTRTGLFLRFLCSRFPQGAQLRGALRTLSLLAAQ
GLWAQTSVLHREDLERLGVQESDLRLFLDGDILRQDRVSKGCYSFIHLSFQQFLTALFYTLEKEEE
EDRDGHTWDIGDVQKLLSGVERLRNPDLIQAGYYSFGLANEKRAKELEATFGCRMSPDIKQELLR
CDISCKGGHSTVTDLQELLGCLYESQEEELVKEVMAQFKEISLHLNAVDDVPSSFVCVKHCRNLQK
MSLQVIKENLPENVTASESDAEVERSQDDQHMLPFWTDLCIFGSNKDLMGLAINDSFLSASLVR
ILCEQIASDTCHLQRVVFKNISPADAHRNLCLALRGHKTVTYTLTQGNQDDMFALCEVLRHPEC
NLRYLGLVSCSATTQQWADLSLALEVNQSLTCVNLSDNELLDEGAKLLYTTLRHPKCFLQRLS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

118.8

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#	BC039269
Protein Accession#	AAH39269
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 (Tschoopp 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](#)