

# Recombinant Human NLRP3 protein ab165022

1 [References](#) 1 [图像](#)

描述	
产品名称	重组人NLRP3蛋白
表达系统	Wheat germ
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MKMASTRCKLARYLEDLEDVDLKKFKMHLEDYPPQKGC IPLP RGQTEKAD HVDLATLMIDFN GEEKAWAMAVWIFAAINRRDLYEKAKRDEP KWGSDNAR VS NPTVICQEDSIEEEWMGLLEYLSRISICKMKKDYRKKYRK YVRSRFQC IEDRNARLGESVSLNKRYTRLRLIKEHRSQQEREQELLAIGK TKTCESPV SPIKMELLFDPDDEHSEPVHTVVVFQGAAGIGK TILARKMMLD WASGTLYQ DRFDYLFYIHCREVSLVTQRSLGDLIMSCCPDPNPPIHKIVR KPSRILFL MDGFDELQGA FDEHIGPLCTDWQKAERGDILLSSLIRKLLP EASLLITT RPVALEKLQHLLDHPRHVEILGFSEAKRKEYFFKYFSDEAQA RAAFSLIQ ENEVLFTMCFIPLVCWIVCTGLKQQMESGKSLAQTSKTTTAV YVFFLSSL LQPRGGSQEHGLCAHLWGLCSLAADGIWNQKILFEESDLRNH GLQKADVS AFLRMNLFQKEVDCEKFYSFIHMTFQEFFAAMYLL EEEKEG RTNVP GSR LKLPSRDVTVLLENYGKFEKGYLIFVVRFLFGLVNQERTSYL EKKL SCKI SQQIRLELLKWIEVKAKAKKLQIQPSQLELFYCLYEMQEEDF VQRAMDYF PKIEINLSTRMDHMVSSFCIENCHRVESLSLGFLHNMPKEEE EEEKEGRH LDMVQCVLPSSSHAACSHGLVNSHLTSSFCRGLFSVLSTSQS

LTELDLS  
NSLGDPGMRVLCETLQHPGCNIRRLWLGRGLSHECCFDISL  
VLSSNQKL  
VELDLSDNALGDFGIRLLCVGLKHLLCNLKKLWLVSCCLTSA  
CCQDLASV  
LSTSHSLTRLVYGENALGDSGVAILCEKAKNPQC�LQKLGLV  
NSGLTSVC  
CSALSSVLSTNQNLTHLYLRGNTLGDKGIKLLCEGLLHPDCK  
LQVLELDN  
CNLTSHCCWDLSTLLTSSQSLRKLSLGNNDLGDLGVMMFCEV  
LKQQSCLL  
QNLGLSEMYFNYETKSALETQLQEEKPELTVVFPSW

氨基酸 1 to 1036  
标签 GST tag N-Terminus

### 技术指标

Our **Abpromise guarantee** covers the use of **ab165022** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用 Western blot  
ELISA  
形式 Liquid  
补充说明 Protein concentration is above or equal to 0.05 mg/ml.

### 制备和贮存

稳定性和存储 Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  
pH: 8.00  
Constituents: 0.31% Glutathione, 0.79% Tris HCl

### 常规信息

功能 May function as an inducer of apoptosis. Interacts selectively with ASC and this complex may function as an upstream activator of NF-kappa-B signaling. Inhibits TNF-alpha induced activation and nuclear translocation of RELA/NF-KB p65. Also inhibits transcriptional activity of RELA. Activates caspase-1 in response to a number of triggers including bacterial or viral infection which leads to processing and release of IL1B and IL18.

组织特异性 Expressed in blood leukocytes. Strongly expressed in polymorphonuclear cells and osteoblasts. Undetectable or expressed at a lower magnitude in B- and T-lymphoblasts, respectively. High level of expression detected in chondrocytes. Detected in non-keratinizing epithelia of oropharynx, esophagus and ectocervix and in the urothelial layer of the bladder.

疾病相关 Defects in NLRP3 are the cause of familial cold autoinflammatory syndrome type 1 (FCAS1) [MIM:120100]; also known as familial cold urticaria. FCAS are rare autosomal dominant systemic inflammatory diseases characterized by episodes of rash, arthralgia, fever and conjunctivitis after generalized exposure to cold. Defects in NLRP3 are a cause of Muckle-Wells syndrome (MWS) [MIM:191900]; also known as

urticaria-deafness-amyloidosis syndrome. MWS is a hereditary periodic fever syndrome characterized by fever, chronic recurrent urticaria, arthralgias, progressive sensorineural deafness, and reactive renal amyloidosis. The disease may be severe if generalized amyloidosis occurs.

Defects in NLRP3 are the cause of chronic infantile neurologic cutaneous and articular syndrome (CINCA) [MIM:607115]; also known as neonatal onset multisystem inflammatory disease (NOMID). CINCA is a rare congenital inflammatory disorder characterized by a triad of neonatal onset of cutaneous symptoms, chronic meningitis and joint manifestations with recurrent fever and inflammation.

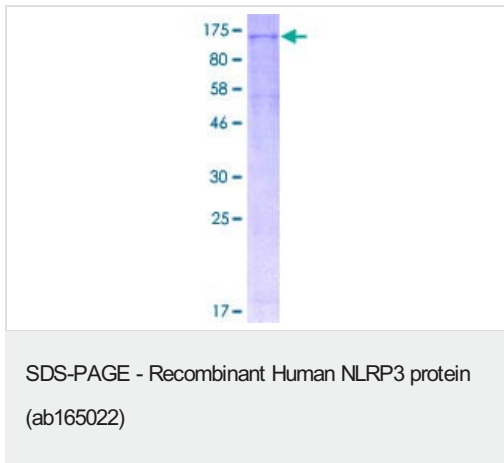
#### 序列相似性

Belongs to the NLRP family.  
Contains 1 DAPIN domain.  
Contains 9 LRR (leucine-rich) repeats.  
Contains 1 NACHT domain.

#### 细胞定位

Cytoplasm.

#### 图片



ab165022 on a 12.5% SDS-PAGE stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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