

Datasheet for ABIN7563651 NLR Family, Pyrin Domain Containing 1B (NLRP1B) (AA 1-1172) protein (His tag)



Overview

Quantity:	1 mg	
Target:	NLR Family, Pyrin Domain Containing 1B (NLRP1B)	
Protein Characteristics:	AA 1-1172	
Origin:	Mouse	
Source:	HEK-293 Cells	
Protein Type:	Recombinant	
Purification tag / Conjugate:	His tag	
Application:	SDS-PAGE (SDS), Western Blotting (WB)	

Product Details

Purpose:	Custom-made recombinat NIrp1b Protein expressed in mammalien cells.	
Sequence:	MEESPPKQKS NTKVAQHEGQ QDLNTTRHMN VELKHRPKLE RHLKLGMIPV VYMKQREEIL	
	YPAQSLKEEN LIQNFTSLPL LQKLYPKDPE NMVRKSWASC IPEEGGHMIN IQDLFGPNIG	
	TQKEPQLVII EGAAGIGKST LARLVKRAWK EGQLYRDHFQ HVFFFSCREL AQCKKLSLAE	
	LIAQGQEVPT APINQILSHP EKLLFILDGI DEPAWVLADQ NPELCLHWSQ RQPVHTLLGS	
	LLGKSILPEA FFLLTTRTTA LQKFIPSLPM PCQVEVLGFS GIERENYFYK YFANQRHAIT	
	AFMMVESNPV LLTLCEVPWV CWLVCTCLKK QMEQGRVLSL KSQTTTALCL KYPSLTIPDK	
	HRRTQVKALC SLAAEGIWKR RTLFSESDLC KQGLDEDAVA TFLKTGVLQK QASSLSYSFA	
	HLCLQEFFAA ISCILEDSEE RHGNMEMDRI VETLVERYGR QNLFEAPTVR FLFGLLGKEG	
	VKGMEKLFSC SLHGKTKLKL LWHILGKSQP HQPSCLGLLH CLYENQDMEL LTHVMHDLQG	
	TIVPGPNDIA HTVLQTNVKQ LVVQTDMELM VATFCIQFYC HVRTLQLNME KQQGYALTSP	
	RMVLYRWTPI TNASWEILFY NLKFTRNLEG LDLSGNSLRY SVVQSLCNTL RYPGCQLKTL	

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN7563651 | 03/08/2025 | Copyright antibodies-online. All rights reserved.

	WLVKCGLTSR YCSLLASVLS AHSSLTELYL QLNDLGDDGV RMLCEGLRNP VCNLSILWLD	
	LSSLSAQVIT ELRTLEEKNP KLYIRSIWMP HMMVPTENMD EEAILTTFKQ QRQESGDKPM	
	EILGTEEDFW GPTGPVATEL VDRVRNLYRV QLPMAGSYHC PSTGLHFVVT RAVTIEIEFC	
	AWSQFLDKTP LQQSHMVVGP LFDIKAEQGA VTAVYLPHFV SLKDTEASTF DFKVAHFQEH	
	GIVLETPDRV KPGYTVLKNP SFSPMGDVLR IIPADRHFIP ITSITLIYYR LNLEEVTLHL YLVPSDCTIC	
	KAIDDEEMKF QFVRINKPPP VDNLFIGSRY IVSGSENLEI TPKELELCYR SSKEFQLFSE	
	IYVGNMGSEI KLQIKNKKHM RLIWEALLKP GDLRPALPRI AQALKDAPSL LHFMDQHREQ	
	LVARVTSVDP LLDKLHGLVL NEESYEAVRA ENTNQDKMRK LFNLSRSWSR ACKDLFYQAL	
	KETHPHLVMD LLEKSGGVSL GS Sequence without tag. The proposed Purification-Tag is	
	based on experiences with the expression system, a different complexity of the protein	
	could make another tag necessary. In case you have a special request, please contact us.	
Characteristics:	Key Benefits:	
	 Made to order protein - from design to production - by highly experienced protein experts. Protein expressed in mammalien cells and purified in one-step affinity chromatography The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. State-of-the-art algorithm used for plasmid design (Gene synthesis). 	
	This protein is a made-to-order protein and will be made for the first time for your order. Our	
	experts in the lab try to ensure that you receive soluble protein.	
	If you are not interested in a full length protein, please contact us for individual protein fragments.	
	The big advantage of ordering our made-to-order proteins in comparison to ordering custom	
	made proteins from other companies is that there is no financial obligation in case the protein	
	cannot be expressed or purified.	
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot	
Grade:	custom-made	
Target Details		
Target:	NLR Family, Pyrin Domain Containing 1B (NLRP1B)	

Alternative Name:	NIrp1b (NLRP1B Products)	
Background:	NACHT, LRR and PYD domains-containing protein 1b allele 3,FUNCTION: May act as the sensor	
	component of the NIrp1b inflammasome, which mediates inflammasome activation in	

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN7563651 | 03/08/2025 | Copyright antibodies-online. All rights reserved.

ECO:0000269 PubMed:31383852}.
ECO:0000269 PubMed:19651869, ECO:0000269 PubMed:23230290,
{ECO:0000250 UniProtKB:Q2LKW6, ECO:0000269 PubMed:16429160,
suggests that allele 3 may be non-functional (PubMed:31383852).
autocatalytic cleavage within the FIIND domain, which regulates activation in other alleles,
lethal toxin (PubMed:16429160, PubMed:19651869, PubMed:23230290). The absence of
(GSDME) (By similarity). Contrary to NIrp1b allele 1, allele 3 is not activated by Bacillus anthracis
inflammasome is able to recruit and activate CASP8, leading to activation of gasdermin-E
(GSDMD), leading to pyroptosis (By similarity). In the absence of GSDMD expression, the NIrp1b
subsequently cleaves and activates inflammatory cytokines IL1B and IL18 and gasdermin-D
independently of PYCARD/ASC and promotes caspase-1 (CASP1) activation, which
inflammasome complex: the inflammasome directly recruits pro-caspase-1 (proCASP1)
recognizes specific pathogens and other damage-associated signals and forms an
immunity and inflammation (By similarity). May act as a recognition receptor (PRR), which
response to pathogens and other damage-associated signals and play critical roles in innate
similarity). Inflammasomes are supramolecular complexes that assemble in the cytosol in
response to various pathogen-associated signals, leading to subsequent pyroptosis (By

Molecular Weight:	133.6 kDa
UniProt:	Q2LKV5

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/4 | Product datasheet for ABIN7563651 | 03/08/2025 | Copyright antibodies-online. All rights reserved.

Н	land	lling

Expiry Date:

12 months

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 4/4 | Product datasheet for ABIN7563651 | 03/08/2025 | Copyright antibodies-online. All rights reserved.