

Product datasheet for PH307991

NALP4 (NLRP4) (NM_134444) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NLRP4 MS Standard C13 and N15-labeled recombinant protein (NP_604393)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207991
Predicted MW:	113.2 kDa
Protein Sequence:	>RC207991 representing NM_134444 Red=Cloning site Green=Tags(s)

MAASFFSDFGLMWYLEELKKEEFRKFKEHLKQMTLQLELKQIPWTEVKKASREELANLLIKHYEEQQAWN
ITLRIFQKMDRKDLCKMVMRERTGYTKTYQAHAKQKFSRLWSSKSVTEIHLVFEEVVKQEEDHLDRLFA
PKEAGKQPRTVIIQGPQGIGKTTLLMKLMAWSDNKIFRDRFLYTFYFCCRELRELPPPTSLADLISREWP
DPAAPITEIVSQPERLLFVIDSFEELQGGLNEPDSDLCGDLMEKRPVQVLLSSLRKKMLPEASLLIAIK
PVCPELQDQVTISEIYQPRGFNEDRLVYFCFFKDPKRAMAFNLVRESEQLFSICQIPLLCWILCTS
LKQEMQKGDALALTCQSTTSVYSSFVFNLFPTDGAEGPTQQTQHQLKALCSLAAEGMWTDTFEFCEDDLR
RNGVVDADIPALLGTKILLKYGERESSYVFLHVCIQEFCAALFYLLKSHLDHHPAVRVCQELLVANFEK
ARRAHWIFLGCFLTGLLNKKEQEKLDAFFGFQLSQEIKQQIHQCLKSLGERGNPQQVDSLAIIFYCLFEM
QDPAFVKQAVNLLQEANFHIIDNVDLVVSAYCLKYCSSLRKLCSVQNVFKKEDEHSSTSDYSLICWHHI
CSVLTTSGHLRELQVQDSTLSESTFVTWCNQLRHPSCRLQKLGINNVSFSGQSVLLFEVLFYQPDLYLS
FTLTKLSRDDIRSLCDALNYPAGNVKELALVNCHLSPIDCEVLGALLTNNKLTLYLNVCNQLDTGVPLL
CEAMCSPDVLVYLMLAFCHLSEQCCEYISEMLLRNKSRYLDL SANVLKDEGLKTLCEALKHPDCCLDL
LCLVKCFITAAGCEDLASALISNQLKILQIGCNEIGDVGQVLLCRALTHTDRCLEILGLEECGLTSTCC
KDLASVLTCSKTLQLLNLTLNLTLDHTGVVVLCEALRHPECALQVGLRKTDFDEETQALLTAEERNPNL
TITDDCDITRVEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.



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Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_604393
RefSeq Size:	3339
RefSeq ORF:	2982
Synonyms:	CLR19.5; CT58; NALP4; PAN2; PYPAF4; RNH2
Locus ID:	147945
UniProt ID:	Q96MN2 , B2RCA1
Cytogenetics:	19q13.43
Summary:	<p>The protein encoded by this gene is a member of the nucleotide-binding and leucine-rich repeat receptor (NLR) family, and is predicted to contain an N-terminal pyrin effector domain (PYD), a centrally-located nucleotide-binding and oligomerization domain (NACHT) and C-terminal leucine-rich repeats (LRR). This gene product has a demonstrated role as a negative regulator of autophagy and type I interferon signaling pathways as a result of protein interactions with its NACHT domain. The PYD domain has also been shown to be important in the inhibition of NF-κB (nuclear factor kappa-light-chain-enhancer of activated B cells). [provided by RefSeq, Dec 2016]</p>

Product images:



Coomassie blue staining of purified NLRP4 protein (Cat# [TP307991]). The protein was produced from HEK293T cells transfected with NLRP4 cDNA clone (Cat# [RC207991]) using MegaTran 2.0 (Cat# [TT210002]).