

Recombinant Human NLRP10 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NLRP10-5638H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NLRP10 MS Standard C13 and N15-labeled recombinant protein (NP_789791) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Members of the NALP protein family typically contain a NACHT domain, a NACHT-associated domain (NAD), a C-terminal leucine-rich repeat (LRR) region, and an N-terminal pyrin domain (PYD). The protein encoded by this gene belongs to the NALP protein family despite lacking the LRR region. This protein likely plays a regulatory role in the innate immune system. The protein belongs to the signal-induced multiprotein complex, the inflammasome, that activates the pro-inflammatory caspases, caspase-1 and caspase-5. Other experiments indicate that this gene acts as a multifunctional negative regulator of inflammation and apoptosis.
Molecular Mass	75 kDa
AA Sequence	MAMAKARKPREALLWALSDLEENDFKKLFYLRDMLSEGQPPLARGELEGLIPVDL AELLISKYGEKEAVKVVLLKGLKVMNLELVDQLSHICLHDYREVYREHVRCLEEWQE AGVNGRYNQVLLVAKPSSESPESLACPFPEQELESVTVEALFDSGEKPSLAPSLVVL QGSAGTGKTTLARKMVLDWATGTLYPGRFDYVFYVSCKEVLLLESKLEQLLFWCC GDNQAPVTEILRQPERLLFILDGFDELQRPFEELKKRGLSPKESLLHLLIRRHTLPTC

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SLLITTRPLALRNLEPLLKQARHVHILGFSEEERARYFSSYFTDEKQADRAFDIVQKN
 DILYKACQVPGICWVVCSWLQGMERGVVLETPRNSTDIFMAYVSTFLPPDDGG
 CSELSRHRVLRSLCSLAAEGIQHQRFLEEAELRKHNLDGPRLAAFLSSNDYQLGLAI
 KKFYSFRHISFQDFHAMSYLKEDQSRLGKESRREVQRLLLEVKEQEGNDEM TLTM
 QFLDISKKDSFSNLELKF CFRISPCLAQDLKHFKEQMESMKHNRTWDLEFSLYEAKI
 KNLVKGIQMNNV SFKIKHSNEKKSQSQNLF SVKSSLSHGPKKEEQKCP SVHGQKEGK
 DNIAGTQKEASTGKGRGTEETPKNTYITRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NLRP10 NLR family pyrin domain containing 10 [Homo sapiens (human)]

Official Symbol NLRP10

Synonyms

NLRP10; NLR family, pyrin domain containing 10; NACHT, leucine rich repeat and
 PYD containing 10, NALP10; NACHT, LRR and PYD domains-containing protein 10;
 CLR11.1; NOD8; nucleotide binding oligomerization domain; leucine rich repeat and
 pyrin domain containing 10; PAN5; Pynod; NACHT, leucine rich repeat and PYD
 containing 10; nucleotide-binding oligomerization domain protein 8; nucleotide-
 binding oligomerization domain, leucine rich repeat and pyrin domain containing 10;

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	PYNOD; NALP10;
Gene ID	338322
mRNA Refseq	NM_176821
Protein Refseq	NP_789791
MIM	609662
UniProt ID	Q86W26

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