

Recombinant Mouse Nlrp10 Protein, Myc/DDK-tagged

Cat. No. Nlrp10-4434M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length NLR family, pyrin domain containing 10 (Nlrp10), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Inhibits autoprocessing of CASP1, CASP1-dependent IL1B secretion, PYCARD aggregation and PYCARD-mediated apoptosis but not apoptosis induced by FAS or BID. Displays anti-inflammatory activity. Required for immunity against C.albicans infection Involved in the innate immune response by contributing to proinflammatory cytokine release in response to invasive bacterial infection. Contributes to T-cell-mediated inflammatory responses in the skin Plays a role in protection against periodontitis through its involvement in induction of IL1A via ERK activation in oral epithelial cells infected with periodontal pathogens. Exhibits both ATPase and GTPase activities.
Molecular Mass	76.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Nlrp10 NLR family, pyrin domain containing 10 [*Mus musculus* (house mouse)]

Official Symbol Nlrp10

Synonyms NLRP10; NLR family, pyrin domain containing 10; NACHT, LRR and PYD domains-containing protein 10; neuronal apoptosis inhibitor protein 10; NACHT, LRR and PYD containing protein 10; NACHT/LRR/pyrin domain-containing protein 10; NACHT, leucine rich repeat and PYD containing 10; PAN5; Pynod; Nalp10; Napl10; 6430548I20Rik

Gene ID 244202

mRNA Refseq NM_175532

Protein Refseq NP_780741

UniProt ID Q8CCN1

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