

Recombinant Human NLRP5 Protein (G227-N1200), Tag Free

Cat. No. NLRP5-0095H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NLRP5(G227-N1200 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	G227-N1200
Description	As a member of the subcortical maternal complex (SCMC), plays an essential role for zygotes to progress beyond the first embryonic cell divisions via regulation of actin dynamics. Required for the formation of F-actin cytoplasmic lattices (CPL) in oocytes, which in turn are responsible for symmetric division of zygotes via the regulation of mitotic spindle formation and positioning. Required for the localization of cortical granules to the cortex of oocytes, via association with the cortical actin scaffold. Required for cortical actin clearance prior to oocyte exocytosis. Involved in regulating post-fertilization Ca(2+) release and endoplasmic reticulum (ER) storage via regulation of ER localization. May be involved in the localization of mitochondria to the cytoplasm and perinuclear region in oocytes and early stage embryos, independent of its role in CPL formation.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50mM Tris-HCl (pH 7.5), 200mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	NLRP5 NLR family, pyrin domain containing 5 [Homo sapiens (human)]
Official Symbol	NLRP5
Synonyms	NLRP5; NLR family, pyrin domain containing 5; NACHT, leucine rich repeat and PYD containing 5, NALP5; NACHT, LRR and PYD domains-containing protein 5; CLR19.8; MATER; nucleotide binding oligomerization domain; leucine rich repeat and pyrin domain containing 5; PAN11; PYPAF8; mater protein homolog; maternal antigen that embryos require; NACHT, leucine rich repeat and PYD containing 5; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 5; NALP5;
Gene ID	126206
mRNA Refseq	NM_153447
Protein Refseq	NP_703148
MIM	609658

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UniProt ID

P59047

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