

Recombinant Human NLRP1 293 Cell Lysate

Cat. No. NLRP1-3804HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for NLR family, pyrin domain containing 1 (NLRP1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

NLRP1 NLR family, pyrin domain containing 1 [Homo sapiens]

Official Symbol

NLRP1

Synonyms

NLRP1; NLR family, pyrin domain containing 1; NACHT, leucine rich repeat and PYD (pyrin domain) containing 1 , NALP1; NACHT, LRR and PYD domains-containing protein 1; CARD7; CLR17.1; DEFCAP; DKFZp586O1822; KIAA0926; NAC; nucleotide binding oligomerization domain; leucine rich repeat and pyrin domain containing 1; caspase recruitment domain protein 7; NACHT, LRR and PYD containing protein 1; NACHT, leucine rich repeat and PYD containing 1; caspase recruitment domain-containing protein 7; nucleotide-binding domain and caspase recruitment domain; death effector filament-forming Ced-4-like apoptosis protein; NACHT, leucine rich repeat and PYD (pyrin domain) containing 1; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 1; NALP1; SLEV1; PP1044; VAMAS1; DEFCAP-L/S;

Gene ID

22861

mRNA Refseq

NM_001033053

Protein Refseq

NP_001028225

MIM

606636

UniProt ID

Q9C000

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Chromosome Location	17p13
Pathway	Cellular roles of Anthrax toxin, organism-specific biosystem; Immune System, organism-specific biosystem; Inflammasomes, organism-specific biosystem; Innate Immune System, organism-specific biosystem; NOD-like receptor signaling pathway, organism-specific biosystem; NOD-like receptor signaling pathway, conserved biosystem; Nucleotide-binding domain, leucine rich repeat containing receptor (NLR) signaling pathways, organism-specific biosystem;
Function	ATP binding; cysteine-type endopeptidase activator activity involved in apoptotic process; enzyme binding; nucleotide binding; protein binding; protein domain specific binding;

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