

Recombinant Human NLRP3 293 Cell Lysate

Cat. No. NLRP3-3799HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for NLR family, pyrin domain containing 3 (NLRP3), 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [NLRP3 NLR family, pyrin domain containing 3 \[Homo sapiens \]](#)

Official Symbol [NLRP3](#)

Synonyms [NLRP3](#); [NLR family, pyrin domain containing 3](#); [C1orf7](#), [CIAS1](#), cold autoinflammatory syndrome 1; [NACHT](#), [LRR](#) and [PYD](#) domains-containing protein 3; [AGTAVPRL](#); [All](#); [AVP](#); [CLR1.1](#); [Cryopyrin](#); [FCAS](#); [FCU](#); [MWS](#); [NALP3](#); nucleotide binding oligomerization domain; leucine rich repeat and pyrin domain containing 3; [PYPAF1](#); [cryopyrin](#); [caterpillar protein 1.1](#); [PYRIN-containing APAF1-like protein 1](#); [NACHT](#), [LRR](#) and [PYD](#) containing protein 3; cold autoinflammatory syndrome 1 protein; [NACHT](#) domain-, leucine-rich repeat-, and [PYD](#)-containing protein 3; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 3; [CIAS1](#); [C1orf7](#); [FLJ95925](#);

Gene ID [114548](#)

mRNA Refseq [NM_001079821](#)

Protein Refseq [NP_001073289](#)

MIM [606416](#)

UniProt ID [Q96P20](#)

Chromosome Location [1q44](#)

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Pathway

Immune System, organism-specific biosystem; Inflammasomes, organism-specific biosystem; Influenza A, organism-specific biosystem; Influenza A, conserved biosystem; Innate Immune System, organism-specific biosystem; NOD-like receptor signaling pathway, organism-specific biosystem; NOD-like receptor signaling pathway, conserved biosystem;

Function

ATP binding; nucleotide binding; peptidoglycan binding; protein binding;

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