

Recombinant Human NLRC4 293 Cell Lysate

Cat. No. NLRC4-3805HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for NLR family, CARD domain containing 4 (NLRC4) 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

 Tel: 1-631-559-9269 1-516-512-3133

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

GENE INFORMATION

Gene Name [NLRC4 NLR family, CARD domain containing 4 \[Homo sapiens \]](#)

Official Symbol NLRC4

Synonyms NLRC4; NLR family, CARD domain containing 4; CARD12, caspase recruitment domain family, member 12; NLR family CARD domain-containing protein 4; CLAN; CLAN1; CLANA; CLANB; CLANC; CLAND; CLR2.1; ipaf; NOD like receptor C4; nucleotide binding oligomerization domain; leucine rich repeat and CARD domain containing 4; NOD-like receptor C4; ICE-protease activating factor; ice protease-activating factor; CARD, LRR, and NACHT-containing protein; caspase recruitment domain family, member 12; caspase recruitment domain-containing protein 12; nucleotide-binding oligomerization domain, leucine rich repeat and CARD domain containing 4; IPAF; CARD12;

Gene ID [58484](#)

mRNA Refseq [NM_001199138](#)

Protein Refseq [NP_001186067](#)

MIM [606831](#)

UniProt ID [Q9NPP4](#)

Chromosome Location 2p22-p21

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Pathway

Direct p53 effectors, organism-specific biosystem; Immune System, organism-specific biosystem; Inflammasomes, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Legionellosis, organism-specific biosystem; Legionellosis, conserved biosystem; NOD-like receptor signaling pathway, organism-specific biosystem;

Function

ATP binding; magnesium ion binding; nucleotide binding; protein binding; protein homodimerization activity;

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