

Recombinant Human NOD1 293 Cell Lysate

Cat. No. NOD1-3772HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for nucleotide-binding oligomerization domain containing 1 (NOD1) 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 [NOD1 nucleotide-binding oligomerization domain containing 1 \[Homo sapiens \]](#)

Official Symbol [NOD1](#)

Synonyms

NOD1; nucleotide-binding oligomerization domain containing 1; CARD4, caspase recruitment domain family, member 4; nucleotide-binding oligomerization domain-containing protein 1; CLR7.1; NLR family; CARD domain containing 1; NLRC1; nucleotide binding oligomerization domain; leucine rich repeat and CARD domain containing 1; NLR family, CARD domain containing 1; caspase recruitment domain family, member 4; caspase recruitment domain-containing protein 4; nucleotide-binding oligomerization domain, leucine rich repeat and CARD domain containing 1; CARD4;

Gene ID [10392](#)

mRNA Refseq [NM_006092](#)

Protein Refseq [NP_006083](#)

MIM [605980](#)

UniProt ID [Q9Y239](#)

Chromosome Location [7p15-p14](#)

Pathway [Activated TLR4 signalling, organism-specific biosystem; Cytokine Signaling in](#)

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Immune system, organism-specific biosystem; Epithelial cell signaling in Helicobacter pylori infection, organism-specific biosystem; Epithelial cell signaling in Helicobacter pylori infection, conserved biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Interleukin-1 signaling, organism-specific biosystem;

Function

ATP binding; CARD domain binding; cysteine-type endopeptidase activator activity involved in apoptotic process; identical protein binding; identical protein binding; nucleotide binding; peptidoglycan binding; protein binding; protein homodimerization activity;

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