

Recombinant Human NOD1 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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

[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

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Pathway

Activated TLR4 signalling, organism-specific biosystem; Cytokine Signaling in 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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