Recombinant Human IRAK1 293 Cell Lysate

Cat. No. IRAK1-5173HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for interleukin-1 receptor-associated kinase 1 (IRAK1), 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	IRAK1 interleukin-1 receptor-associated kinase 1 [Homo sapiens]
Official Symbol	IRAK1
Synonyms	IRAK1; interleukin-1 receptor-associated kinase 1; IRAK; pelle; IRAK-1; Pelle homolog;
Gene ID	3654
mRNA Refseq	NM_001569
Protein Refseq	NP_001560
MIM	300283
UniProt ID	P51617
Chromosome Location	Xq28
Pathway	Activated TLR4 signalling, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; IL-1 Signaling Pathway, organism-specific biosystem;

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Function	ATP binding; NF-kappaB-inducing kinase activity; interleukin-1 receptor binding; kinase activity; nucleotide binding; protein binding; protein heterodimerization activity; protein homodimerization activity; protein homodimerization activity; protein kinase activity; protein kinase activity; protein serine/threonine kinase activity; protein serine/threonine kinase activity; ubiquitin-protein ligase activity;

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