

Recombinant Human IRAK3 293 Cell Lysate

Cat. No. IRAK3-5170HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for interleukin-1 receptor-associated kinase 3 (IRAK3), 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

IRAK3 interleukin-1 receptor-associated kinase 3 [Homo sapiens]

Official Symbol

IRAK3

Synonyms

IRAK3; interleukin-1 receptor-associated kinase 3; IRAK M; IL-1 receptor-associated kinase M; ASRT5; IRAKM; FLJ13601;

Gene ID

11213

mRNA Refseq

NM_001142523

Protein Refseq

NP_001135995

MIM

604459

UniProt ID

Q9Y616

**Chromosome
Location**

12q13.13

Pathway

Activated TLR4 signalling, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; IL1-mediated signaling events, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem;

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Function

ATP binding; magnesium ion binding; nucleotide binding; protein binding; protein heterodimerization activity; protein homodimerization activity; protein serine/threonine kinase activity;

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