

Recombinant Human IRAK4

Cat. No. IRAK4-27000TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full length Human IRAK4 with N-terminal proprietary tag, expressed in a Baculovirus infected Sf9 cell expression system, 77.5 kDa.
Species	Human
Description	This gene encodes a kinase that activates NF-kappaB in both the Toll-like receptor (TLR) and T-cell receptor (TCR) signaling pathways. The protein is essential for most innate immune responses. Mutations in this gene result in IRAK4 deficiency and recurrent invasive pneumococcal disease. Multiple transcript variants encoding different isoforms have been found for this gene.
Biological activity	Specific Activity: 18 pmol/min/μg.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 400mM Sodium chloride, 3mM DTT, 25mM Tris HCl, pH 8.0
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Pelle subfamily. Contains 1 death domain. Contains 1 protein kinase domain.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Full Length
Full L.

GENE INFORMATION

Gene Name

IRAK4 interleukin-1 receptor-associated kinase 4 [Homo sapiens]

Official Symbol

IRAK4

Synonyms

IRAK4; interleukin-1 receptor-associated kinase 4; NY REN 64;

Gene ID

51135

mRNA Refseq

NM_001114182

Protein Refseq

NP_001107654

MIM

606883

Uniprot ID

Q9NWZ3

**Chromosome
Location**

12q12

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;

Function

ATP binding; interleukin-1 receptor binding; magnesium ion binding; nucleotide binding; protein binding;

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