

Recombinant Human IRAK4 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. IRAK4-058H Lot. No. (See product label)

SPECIFICATION

Product Overview

IRAK4 MS Standard C13 and N15-labeled recombinant protein (NP_057207) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass

51.5 kDa

AA Sequence

MNKPITPSTYVRCLNVGLIRKLSDFIDPQEGWKKLAVAIAKKPSGDDRYNQFHIRRFEA
 LLQTGKSPTSELLFDWGTNCTVGDLDLLIQNEFFAPASLLLPDAVPKTANTLPSKE
 AITVQQKQMPFCDKDRITLMPVQNLEQSYMPDSSSPENKSLEVSDTRFHSFSFYE
 LKNVTNNFDERPISVGGNKMGEFGVYKGYVNNTTVAVKKLAAMVDITTEELKQ
 QFDQEIKVMAKCQHENLVLLGFSSDGDLDLCLVYVYMPNGSLLDRLSCLDGTPLLS
 WHMRCKIAQGAANGINFLHENHHIHRDIKSANILLDEAFTAKISDFGLARASEKFAQT
 VMTSRIVGTTAYMAPEALRGEITPKSDIYSFGVLLIITGLPAVDEHREPQLLLDIKEE
 IEDEEKTIEDYIDKKMNDADSTSVEAMYSVASQCLHEKKNKRPDIKKVQQLQEMTA

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STRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name IRAK4 interleukin 1 receptor associated kinase 4 [Homo sapiens (human)]

Official Symbol IRAK4

Synonyms IRAK4; interleukin 1 receptor associated kinase 4; IPD1; IRAK-4; NY-REN-64; REN64; interleukin-1 receptor-associated kinase 4; renal carcinoma antigen NY-REN-64; EC 2.7.11.1

Gene ID 51135

mRNA Refseq NM_016123

Protein Refseq NP_057207

MIM 606883

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UniProt ID

Q9NWZ3

SDS-PAGE



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