

Recombinant Full Length Human IRAK4 Protein, N-His tagged

Cat. No. IRAK4-05HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IRAK4 Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-460 aa
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	The protein has a calculated MW of 54 kDa.
AA Sequence	MGSSHHHHHHSSGLVPRGSHMNKPITPSTYVRCLNVGLIRKLSDFIDPQEGWKKLA VAIKKPSGDDRYNQFHIRRFEALLQTGKSPTSELLFDWGTTNCTVGDLDLLIQNEFF APASLLLPDAVPKTANTLPSKEAITVQQKQMPFCDKDRTLMTVPQNLEQSYMPPDS SSPENKSLEVSDTRFHSFSFYELKNVTNNFDERPISVGGNKMGEFGFVYKGYVN NTTVAVKKLAAMVDITTEELKQQFDQEIKVMAKCQHENVLLGFSDDGDDLCLVYV YMPNGSLLDRLSCLDGTPLSWHMRCKIAQGAANGINFLHENHHIHRDIKSANILLDE AFTAKISDFGLARASEKFAQTVMTSRIVGTTAYMAPEALRGEITPKSDIYSFGVVLLEII TGLPAVDEHREPQLLLDIKEEIEDEEKTIEDYIDKKMNDADSTSVEAMYSVASQCLHE KKNKRDPDIKKVQQLQEMTAS

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Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.55 mg/mL
Storage Buffer	Sterile 50 mM Tris, 250 mM NaCl, 5% Glycerol, pH7.5
Full Length	Full L.

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; NY REN 64; renal carcinoma antigen NY-REN-64; IPD1; REN64; IRAK-4; NY-REN-64
Gene ID	51135
mRNA Refseq	NM_001114182
Protein Refseq	NP_001107654
MIM	606883
UniProt ID	Q9NWZ3

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