

Recombinant Full Length Human IRAK4 Protein, C-Flag-tagged

Cat. No. IRAK4-940HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IRAK4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	51.3 kDa
AA Sequence	MNKPITPSTYVRCLNVGLIRKLSDFIDPQEGWKKLAVAIAKKPSGDDRYNQFHIRRFEA LLQTGKSPTSEL LFDWGTNCTVGDLDVLLIQNEFFAPASLLLPDAVPKANTLPSK EAITVQQKQMPFCDKDRTLMTVPVQN LEQSYMPPDSSSPENKSLEVSDTRFHSFSF YELKNVTNDFDERPISVGGNKMGEFFGVVYKGYVNNNTTV AVKLAAMVDITTEEL KQQFDQEIKVMAKCQHENLVELLGFSSDGDLDLCLVYVYMPNGSLLDRLSCLDGT PP LSWHMRCKIAQGAANGINFLHENHHIHRDIKSANILLDEAFTAKISDFGLARASEKFA QTVMTSRIVG TTAYMAPEALRGEITPKSDIYSFGVLLLEITGLPAVDEHREPQLLLDI KEEIEDEEKTIEDYIDKKMND

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ADSTSVEAMYSVASQCLHEKKNKRPDIKKVQQLQEMTASTRTRPLEQKLISEEDLA
ANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase
Protein Pathways	Apoptosis, Neurotrophin signaling pathway, Toll-like receptor signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	IRAK4 interleukin 1 receptor associated kinase 4 [Homo sapiens (human)]
Official Symbol	IRAK4
Synonyms	IPD1; IMD67; REN64; IRAK-4; NY-REN-64
Gene ID	51135

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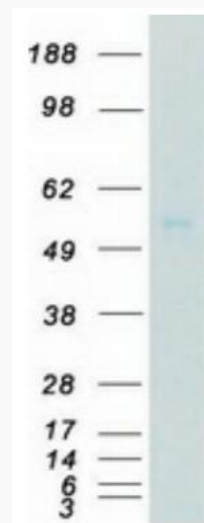
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mRNA Refseq [NM_016123.4](#)

Protein Refseq [NP_057207.2](#)

MIM [606883](#)

UniProt ID [Q9NWZ3](#)



Coomassie blue staining of purified IRAK4 protein.

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