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	MNKPITPSTYVRCLNVGLIRKLSDFIDPQEGWKKLAVAIKKPSGDDRYNQFHIRRFEA LLQTGKSPTSELLFDWGTTNCTVGDLVDLLIQNEFFAPASLLLPDAVPKTANTLPSKE AITVQQKQMPFCDKDRTLMTPVQNLEQSYMPPDSSSPENKSLEVSDTRFHSFSFYE LKNVTNNFDERPISVGGNKMGEGGFGVVYKGYVNNTTVAVKKLAAMVDITTEELKQ QFDQEIKVMAKCQHENLVELLGFSSDGDDLCLVYVYMPNGSLLDRLSCLDGTPPLS WHMRCKIAQGAANGINFLHENHHIHRDIKSANILLDEAFTAKISDFGLARASEKFAQT VMTSRIVGTTAYMAPEALRGEITPKSDIYSFGVVLLEIITGLPAVDEHREPQLLLDIKEE IEDEEKTIEDYIDKKMNDADSTSVEAMYSVASQCLHEKKNKRPDIKKVQQLLQEMTA

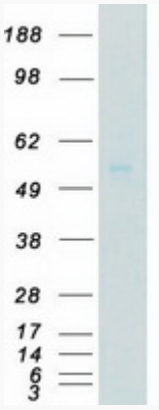
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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	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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