

Recombinant Human IRAK4 Protein, GST-tagged

Cat. No. IRAK4-5049H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IRAK4 full-length ORF (AAH13316.1, 1 a.a. - 460 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [supplied by RefSeq]
Molecular Mass	76.34 kDa
AA Sequence	MNKPITPSTYVRCLNVGLIRKLSDFIDPQEGWKKLAVAIKKPSGDDRYNQFHIRRFEA LLQTGKSPTSELLFDWGTNCTVGDLVDLLIQNEFFAPASLLLPDAVPKTANTLPSKE AITVQQKQMPFCDKDRTLMTVPQNLEQSYMPDSSSPENKSLEVSDTRFHSFSFYE LKNVTNNFDERPISVGGNKMGEFGVYKGYVNNTTVAVKKPAAMVDITTEELKQ QFDQEIKVMAKCQHENLVELLGFSSDGGDLCLVYVYMPNGSLLDRLSCLDGTPLPS WHMRCKIAQGAANGINFLHENHHIHRDIKSANILLDEAFTAKISDFGLARASEKFAQT VMTSRIVGTTAYMAPEALRGEITPKSDIYSFGVVLLEITGLPAVDEHREPQLLLDIKEE IEDEEKTIEDYIDKKMNDADSTSVEAMYSVASQCLHEKKNKRPDIKKVQQLQEMTA S

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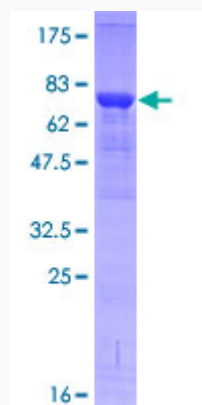
Applications	Kinase Assay Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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; 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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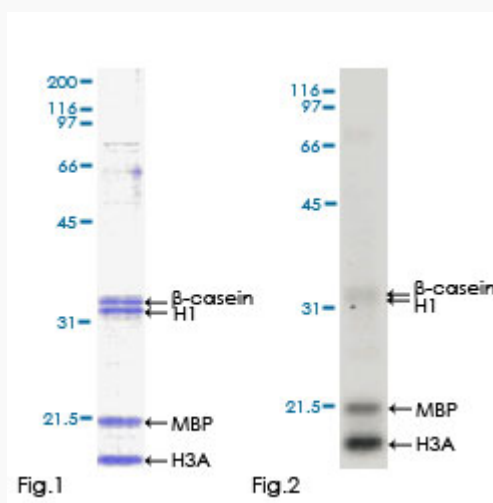
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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue



Kinase Assay