

Active Recombinant Human IRAK1 Protein, GST-tagged

Cat. No. IRAK1-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human IRAK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
Description	This gene encodes the interleukin-1 receptor-associated kinase 1, one of two putative serine/threonine kinases that become associated with the interleukin-1 receptor (IL1R) upon stimulation. This gene is partially responsible for IL1-induced upregulation of the transcription factor NF-kappa B. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Bio-activity	The specific activity of IRAK1 was determined to be 31 nmol/min/mg
Molecular Mass	132 kDa
Purity	> 90%
Stability	One year at -70 centigrade from date of shipment.
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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Concentration	0.1 µg/µL
Storage Buffer	20 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1mM PMSF, and 25% glycerol.
Shipping	Dry ice.

GENE INFORMATION

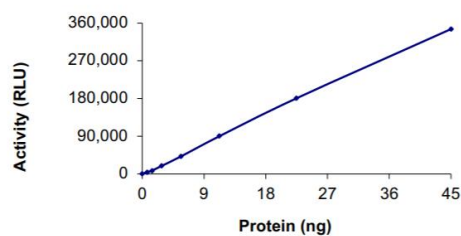
Gene Name	IRAK1 interleukin 1 receptor associated kinase 1 [Homo sapiens (human)]
Official Symbol	IRAK1
Synonyms	IRAK1; interleukin 1 receptor associated kinase 1; IRAK; pelle; interleukin-1 receptor-associated kinase 1; IRAK-1; Pelle homolog; EC 2.7.11.1
Gene ID	3654
mRNA Refseq	NM_001569
Protein Refseq	NP_001560
MIM	300283
UniProt ID	P51617

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Specific Activity



31 nmol/min/mg

Purity

