

Recombinant Full Length Human IRAK1 Protein, GST-tagged

Cat. No. IRAK1-5726HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human IRAK1 full-length ORF (AAH14963.1, 1 a.a. - 633 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	633 amino acids
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. [provided by RefSeq]
Molecular Mass	94.4 kDa
AA Sequence	MAGGPGPGEPAAAPGAQHFLYEVPWVMCRFYKVMDALEPADWCQFAALIVRDQT ELRLCERSGQRTASVLWPWINRNARVADLVHILHLQLLRARDIITAWHPPAPLPSP GTTAPRPSSIPAPAEAEAWSPRKLPSASTFLSPAFFGSQTHSGPELGLVPSASLW PPPPSPAPSSTKPGPESSVLLQGARPSPFCWPLCEISRGTHNFSEELKIGEGGFG CVYRAVMRNTVYAVKRLKENADLEWTAVKQSFLTEVEQLSRFRHPNIVDFAGYCAQ NGFYCLVYGFLPNGSLEDRLHCQTQACPLSWPQRLDILLGTARAIQFLHQDPSLI HGDIKSSNVLLDERLTPKLGDFGLARFSRFAGSSPSQSSMVARTQTVRGTLAYLPEE

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YIKTGRLAVD TDTFSFGVVLETLAGQRAVKTHGARTKYL VYERLEKLQAVVAGVPG
HLEAASCIPPSPQENSYVSSTGRAHSGAAPWQPLAAPSGASAQAAEQLQRGPNQP
VESDESLGGLS AALRSWHLTPSCPLDPAPLREAGCPQGDTAGESSWGSGPGSRPT
AVEGLALGSSASSSSEPPQIIINPARQKMVQKLALYEDGALDSLQLLSSSSSLPGLGLE
QDRQGPEESDEFQS

Applications
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 [IRAK1 interleukin-1 receptor-associated kinase 1 \[Homo sapiens \]](#)

Official Symbol [IRAK1](#)

Synonyms IRAK1; interleukin-1 receptor-associated kinase 1; IRAK; pelle; IRAK-1; Pelle homolog;

Gene ID [3654](#)

mRNA Refseq [NM_001025242](#)

Protein Refseq [NP_001020413](#)

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MIM	300283
UniProt ID	P51617

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