

# Recombinant Full Length Human IRAK1 Protein, GST-tagged

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Human IRAK1 full-length ORF ( AAH14963.1, 1 a.a. - 633 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 633 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 94.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MAGGPGPGGEPAAPGAQHFLYEVPPWVMCRFYKVMDALEPADWCQFAALIVRDQT<br>ELRLCERSGQRTASVLWPWINRNARVADLVHILHLQLLRARDIITAWHPPAPLPSP<br>GTTAPRPSSIPAPAEAEAWSPRKLPSASTFLSPAFFGSQTHSGPELGLVPSPASLW<br>PPPPSPAPSSTKPGPESSVSLQGARPSFCWPLCEISRGTHNFSEELKIGEGGFG<br>CVYRAVMRNTVYAVKRLKENADLEWTAVKQSFLTEVEQLSRFRHPNIVDFAGYCAQ<br>NGFYCLVYGFLPNGSLEDRLHCQTQACPPLSWPQRLDILLGTARAIQFLHQDSPSLI<br>HGDIKSSNVLLDERLTPKLGDFGLARFSRFAGSSPSQSSMVARTQTVRGTLAYLPEE  |

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YIKTGRLAVD TDTFSFGVVLETLAGQRAVKTHGARTKYL VYERLEKLQAVVAGVPG  
HLEAASCIPPSPQENS YVSSTGRAHSGAAPWQPLAAPSGASAQAAEQLQRGPNQP  
VESDESLGGLS AALRSWHLTPSCPLDPAPLREAGCPQGDTAGESSWGSGPGSRPT  
AVEGLALGSSASSSSEPPQIIINPARQKMVQKLALYEDGALDSLQLSSSSSLPGLGLE  
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 |
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| UniProt ID | P51617 |
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