

Recombinant Human IRAK1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. IRAK1-2103H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IRAK1 MS Standard C13 and N15-labeled recombinant protein (NP_001020414) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	68 kDa
AA Sequence	MAGGPGPGEPAAPGAQHFLYEVPWVMCRFYKVMdalePADWCQFAALIVRDQT ELRLCERSGQRTASVLWPWINRNARVADLVHILTHLQLLRARDIITAWHPPAPLPSP GTTAPRPSSIPAPAEAEAWSPRKLPSASTFLSPAFIGSQTHSGPELGLVPSASLW PPPPSPAPSSTKPGPESSVSLQGARPSFCWPLCEISRGTHNFSEELKIGEGGFG CVYRAVMRNTVYAVKRLKENADLEWTAVKQSFLTEVEQLSRFRHPNIVDFAGYCAQ NGFYCLVYGFLPNGSLEDRLHCQTQACPPLSWPQRLDILLGTARAIQFLHQDPSLI HGDIKSSNVLLDERLTPKLGDFGLARFSRFAGSSPSQSSMVARTQTVRGTLAYLPEE YIKTGRLAVDTDTFSGVVVLETLAQRAVKTHGARTKYLVERLEKLQAVVAGVPG

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HLEAASCIPPSPQENSYVSSTGRAHSGAAPWQPLAAPSGASAQAAEQLQRGPNQP
 VESDESLGGLSAAALRSWHLTPSCPLDPAPLREAGCPQGDTAGESSWGSGPGSRPT
 AVEGLALGSSASSSSEPPQIIINPARQKMVQKLALYEDGALDSLQLLSSSSSLPGLGLE
 QDRQGPEESDEFQSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 IRAK1 interleukin-1 receptor-associated kinase 1 [Homo sapiens (human)]

Official Symbol IRAK1

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

Gene ID 3654

mRNA Refseq NM_001025243

Protein Refseq NP_001020414

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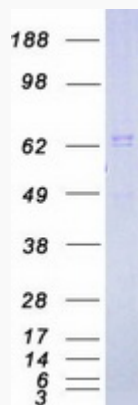
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MIM 300283

UniProt ID P51617

SDS-PAGE



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