

## Product datasheet for **TP304869**

### IRAK (IRAK1) (NM\_001025243) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human interleukin-1 receptor-associated kinase 1 (IRAK1), transcript variant 3, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204869 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAGGPGPGEPAAPGAQHFLYEVPPWVMCRFYKVMDALEPADWCQFAALIVRDQTELRRLCERSGQRTASVL  
WPWINRNARVADLVHILHLQLLRARDIITAWHPPAPLPSPGTTAPRPSSIPAPAEAEAWSPRKLPSAS  
TFLSPAFIGSQTHSGPELGLVPSASLWPPPPSPAPSSTKPGPESSVLLQGARPSPFCWPLCEISRGT  
NFSEELKIGEGGFGCVYRAVMRNTVYAVKRLKENADLEWTAVKQSFLTEVEQLSRFRHPNIVDFAGYCAQ  
NGFYCLVYGFLPNGSLEDRLHCQTQACPLSWPQRLDILLGTARAIQFLHQDSPSLIHGDIKSSNVLLDE  
RLTPKLGDFGLARFSRFAGSSPSQSSMVARTQTVRGTLAYLPEEYIKTGRLAVDTDTFSGVWVLETLAG  
QRAVKTHGARTKYLVERLEKLQAVVAGVPGHLEAASCIPPSPQENSYSSTGRAHSGAAPWQPLAAPSG  
ASAQAAEQLQRGNQPVESESLGGLSAAALRSWHLTPSCPLDPAPLREAGCPQGD TAGESSWGS GPGSRP  
TAVEGLALGSSASSSSEPPQIIINPARQKMOVQKLALYEDGALDSLQLLSSSSLPGLGLEQDRQGPEESDE  
FQS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

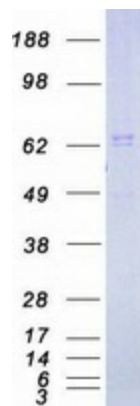
Tag:	C-Myc/DDK
Predicted MW:	67.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001020414</a>
<b>Locus ID:</b>	3654
<b>UniProt ID:</b>	<a href="#">P51617</a>
<b>RefSeq Size:</b>	3352
<b>Cytogenetics:</b>	Xq28
<b>RefSeq ORF:</b>	1899
<b>Synonyms:</b>	IRAK; pelle
<b>Summary:</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, Jul 2008]
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Transcription Factors
<b>Protein Pathways:</b>	Apoptosis, Neurotrophin signaling pathway, Toll-like receptor signaling pathway

### Product images:



Coomassie blue staining of purified IRAK1 protein (Cat# TP304869). The protein was produced from HEK293T cells transfected with IRAK1 cDNA clone (Cat# [RC204869]) using MegaTran 2.0 (Cat# [TT210002]).