

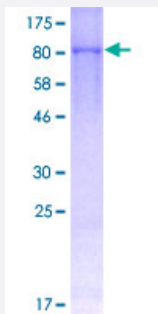
Full-Length

IRAK1 (Human) Recombinant Protein (P01)

Catalog # H00003654-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human IRAK1 full-length ORF (AAH14963.1, 1 a.a. - 633 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAGGPGPGEPAAPGAQHFLYEVPWVMCRFYKVMdalePADWCQFAALVrdQTELRLCERS
GQRTASVLWPWINRNARVADLVHILTHLQLLRARDIITAWHPPAPLPSPGTTAPRPSSIPAPAEAEA
WSPRKLPSASTFLSPAFPGSQTHSGPELGLVPSPASLWPPPPSPAPSSTKPGPESSVSLLQG
ARSPFCWPLCEISRGTHNFSEELKIGEGGFGCVYRAVMRNTVYAVKRLKENADLEWTAVKQSF
LTEVEQLSRFRHPNVDFAGYCAQNGFYCLVYGFLPNGSLEDRLHCQTQACPLSWPQRLDILLG
TARAIQFLHQDSPSLIHGDIKSSNVLLDERLTPKLGDfGLARFSRFAGSSPSQSSMVARTQTVRGT
LAYLPEEYIKTGRLAVDtdTfSGVVVLETLAQRAVKTHGARTKYLVERLEKLQAVVAGVPGHL
EAASCIPPSPQENSYSSTGRAHSGAAPWQPLAAPSGASAAAEQLQRGPNQPVESDESGLGGL
SAALRSWHLTPSCPLDPAPLREAGCPQGDtagESSWGSGPGSRPTAVEGLALGSSASSSSEP
PQIIINPARQKMVQKLALYEDGALDSLQLLSSSSLPGLGLEQDRQGPEESDEFQS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

94.4

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — IRAK1

Entrez GeneID	3654
GeneBank Accession#	BC014963.1
Protein Accession#	AAH14963.1
Gene Name	IRAK1
Gene Alias	IRAK, pelle
Gene Description	interleukin-1 receptor-associated kinase 1
Omim ID	300283
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OTTHUMP00000026014 OTTHUMP00000026020 Pelle homolog

Pathway

- [Apoptosis](#)
- [Neurotrophin signaling pathway](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Arthritis](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Hypertension](#)
- [Kidney Diseases](#)
- [Lupus Erythematosus](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)

- [Sepsis](#)
- [Shock](#)
- [Stroke](#)
- [Thyroid Neoplasms](#)
- [Translocation](#)
- [Werner syndrome](#)