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IRAK1 Protein (AA 618-712) (His tag)

0.05 mg





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Quantity:

Quartity.	0.00 mg
Target:	IRAK1
Protein Characteristics:	AA 618-712
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IRAK1 protein is labelled with His tag.
Application:	Western Blotting (WB), ELISA, Mass Spectrometry (MS), Neutralization (Neut)
Product Details	
Purity:	~95 %
Target Details	
Target:	IRAK1
Alternative Name:	IRAK (IRAK1 Products)
Background:	Nuclear factor kappa B (NF-?B) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-?B mediates the expression of a great variety of genes in response to extracellular stimuli including IL-1, TNF? and LPS. A serine/threonine protein kinase associated with IL-1 receptor (IRAK) and its homologue mouse pelle-like protein kinase (mPLK) were identified recently (1,2). IRAK is

associated with the IL-1 receptor subunits IL-1RI and IL-1RAcP after IL-1 binding and serves as

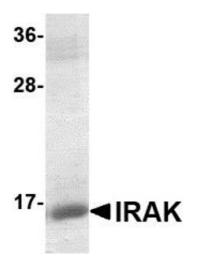
Target Details

	a signaling molecule to mediate IL-1 response (3). IRAK mediates a signaling cascade leading to NF-?B activation by members in IL-1 family including IL-1 and a novel cytokine IL-18 (also termed IGIF) (1,4).
Molecular Weight:	15 kDa (Calculated)
Gene ID:	3654
OMIM:	8928535
UniProt:	P51617
Pathways:	NF-kappaB Signaling, TLR Signaling, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Toll-Like Receptors Cascades

Application Details

Application Notes:	This recombinant protein can be used for WB, ELISA, MS and neutralization assays.
Restrictions:	For Research Use only
Handling	

Format:	Liquid
Buffer:	100 mM sodium phosphate, 500 mM NaCl, 25 mM imidazole, 10 % gycerol
Handling Advice:	Avoid freeze/thaw cycles. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Storage:	-80 °C
Storage Comment:	Store in working aliquots at -70 °C.



Western Blotting

Image 1.