

## Recombinant Human IRAK2, GST-tagged, Active

Cat. No. IRAK2-332H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human IRAK2 was expressed by baculovirus in <i>Sf9 insect cell</i> using an N-terminal GST tag. MW = 103 kDa.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Description</b>	Interleukin-1 receptor-associated kinase 2 (IRAK2) is important downstream signaling components of Toll-like receptors (TLRs). IRAKs were first described as signal transducers for IL-1 and later have been implicated in signal transduction of other members of the Toll/IL-1 receptor family. The interleukin-1 receptor (IL-1R) signaling pathway leads to NFκB activation in mammals. To date, four mammalian IRAKs have been identified (IRAK-1, IRAK-2, IRAK-4, and IRAK-M). It is believed that IRAK-2 could be an additional therapeutic target for inhibiting IL-1-induced inflammation.
<b>Sequence</b>	Full-length.
<b>Applications</b>	Kinase Assay, Western Blot.
<b>Storage And Stability</b>	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

### GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Gene Name</b>	IRAK2 interleukin-1 receptor-associated kinase 2 [ Homo sapiens ]
<b>Synonyms</b>	IRAK2; interleukin-1 receptor-associated kinase 2; IRAK-2; MGC150550;interleukin-1 receptor associated kinase-2; Interleukin-1 receptor-associated kinase-like 2
<b>Gene ID</b>	3656
<b>mRNA Refseq</b>	NM_001570
<b>Protein Refseq</b>	NP_001561
<b>MIM</b>	603304
<b>UniProt ID</b>	O43187
<b>Chromosome Location</b>	3p25.3
<b>Pathway</b>	Apoptosis; Neurotrophin signaling pathway
<b>Function</b>	ATP binding; NF-kappaB-inducing kinase activity; protein heterodimerization activity; protein homodimerization activity; protein kinase activity

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