Recombinant Human IRAK2, GST-tagged, Active

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

SPECIFICATION

Product Overview	Recombinant full-length human IRAK2 was expressed by baculovirus in*Sf9 insect cell*susing an N-terminal GST tag. MW = 103 kDa.
Species	Human
Source	Sf9 Cells
Description	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.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	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

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

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