

Recombinant Human RIPK2, GST-tagged, Active

Cat. No. RIPK2-418H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RIPK2 (1-299) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. MW=59kDa.
Species	Human
Source	Sf9 Cells
Protein Length	1-299 a.a.
Description	RIPK2 (RIP2; RICK) is a death domain-containing protein kinase encoding a predicted 540-amino acid protein which contains an N-terminal serine/threonine kinase catalytic domain and a C-terminal caspase activation and recruitment domain. RIPK2 is thought to regulate apoptosis induced by the FAS receptor pathway. RIPK2 has been shown to specifically interact with the CARD of ICE/caspase-1 and this interaction correlates with the processing of pro-caspase-1 and the formation of the active caspase-1 p20.
Sequence	1-299.
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.

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GENE INFORMATION

Gene Name	RIPK2 receptor-interacting serine-threonine kinase 2 [Homo sapiens]
Synonyms	RIPK2; receptor-interacting serine-threonine kinase 2; CARD-carrying kinase; CARD-containing interleukin-1 beta-converting enzyme (ICE)-associated kinase; growth-inhibiting gene 30; receptor interacting protein 2; receptor-interacting protein (RIP)-like interacting caspase-like apoptosis regulatory protein (CLARP) kinase; CCK; RICK; RIP2; CARD3; GIG30; CARDIAK; EC 2.7.11.1
Gene ID	8767
mRNA Refseq	NM_003821
Protein Refseq	NP_003812
MIM	603455
UniProt ID	O43353
Chromosome Location	8q21
Pathway	NOD-like receptor signaling pathway; Neurotrophin signaling pathway; Signaling in Immune system; Signalling by NGF
Function	ATP binding; CARD domain binding; LIM domain binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; signal transducer activity; transferase activity

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