

Active Recombinant Human RIPK2, GST-tagged

Cat. No. RIPK2-1479H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RIPK2 (1-299) was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1-299 aa
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.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Bio-activity	20 nmol/min/mg
Molecular Mass	~59 kDa
Purity	>90%

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Applications	Kinase Assay, Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1µg/µl
GENE INFORMATION	
Gene Name	RIPK2 receptor-interacting serine-threonine kinase 2 [Homo sapiens]
Official Symbol	RIPK2
Synonyms	RIPK2; receptor-interacting serine-threonine kinase 2; receptor-interacting serine/threonine-protein kinase 2; CARD3; CARDIAK; RICK; RIP2; RIP-2; CARD-carrying kinase; growth-inhibiting gene 30; tyrosine-protein kinase RIPK2; receptor interacting protein 2; receptor-interacting protein 2; RIP-like-interacting CLARP kinase; CARD-containing IL-1 beta ICE-kinase; CARD-containing interleukin-1 beta-converting enzyme-associated kinase; CARD-containing interleukin-1 beta-converting enzyme (ICE)-associated kinase; receptor-interacting protein (RIP)-like interacting caspase-like apoptosis regulatory protein (CLARP) kinase; CCK; GIG30;
Gene ID	8767
mRNA Refseq	NM_003821
Protein Refseq	NP_003812
MIM	603455
UniProt ID	O43353

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Chromosome Location	8q21
Pathway	Activated TLR4 signalling, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Canonical NF-kappaB pathway, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Downstream TCR signaling, organism-specific biosystem; FAS pathway and Stress induction of HSP regulation, organism-specific biosystem; IL12-mediated signaling events, organism-specific biosystem;
Function	ATP binding; CARD domain binding; CARD domain binding; LIM domain binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein binding; protein homodimerization activity; protein serine/threonine kinase activity; signal transducer activity;

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