

Active Recombinant Full Length Human RIPK1, GST-tagged

Cat. No. RIPK1-36H Lot. No. (See product label)

SPECIFICATION

Product Overview	Full-length recombinant human RIPK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1-671 a.a.
Description	RIPK1 or Receptor Interacting Protein Kinase 1 is a serine/threonine kinase that was originally identified as interacting with the cytoplasmic domain of FAS. RIPK1 has been deemed as an important element in the signal transduction machinery that mediates programmed cell death. RIPK1 has been shown to interact with TRADD, TRAF1 TRAF2 and TRAF3 and TRADD can act as an adaptor protein to recruit RIPK1 to the TNFR1 complex in a TNF-dependent process. TNFalpha is capable of activating the noncanonical NF-kB pathway, but this activation of this pathway is negatively regulated by RIPK1.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	3.5 nmol/min/mg
Molecular Mass	~108 kDa

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Applications	Kinase Assay, Western Blot
Storage	Store product at –70oC. 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.
Concentration	0.05ug/ul
GENE INFORMATION	
Gene Name	RIPK1 receptor (TNFRSF)-interacting serine-threonine kinase 1 [Homo sapiens]
Official Symbol	RIPK1
Synonyms	RIPK1; receptor (TNFRSF)-interacting serine-threonine kinase 1; receptor-interacting serine/threonine-protein kinase 1; RIP; RIP-1; cell death protein RIP; receptor interacting protein; receptor-interacting protein 1; serine/threonine-protein kinase RIP; RIP1; FLJ39204;
Gene ID	8737
mRNA Refseq	NM_003804
Protein Refseq	NP_003795
MIM	603453
UniProt ID	Q13546
Chromosome Location	6p25.2

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Pathway	Activated TLR4 signalling, organism-specific biosystem; Activation of Pro-Caspase 8, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis Modulation by HSP70, organism-specific biosystem;
Function	ATP binding; death domain binding; death receptor binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;

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