

Recombinant Full Length Human RIPK3, GST-tagged, Active

Cat. No. RIPK3-2758H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RIPK3 encoding full-length human RIPK3 produced by baculovirus in Sf9 insect cells, was fused a GST-tag at N-terminal.
Species	Human
Source	Insect Cells
Protein Length	1-518 a.a.
Description	RIPK3 is a member of the receptor-interacting protein (RIP) family of serine/threonine protein kinases, which contains a C-terminal domain unique from other RIP family members. RIPK3 is predominantly localized to the cytoplasm, and specifically, are colocalized in the mitochondrion which can undergo nucleocytoplasmic shuttling dependent on novel nuclear localization and export signals. RIPK3 is a component of the tumor necrosis factor (TNF) receptor-I signaling complex, and can induce apoptosis and weakly activate the NF-kappaB transcription factor and caspase-8 prevents RIPK3-dependent necrosis without inducing apoptosis by functioning in a proteolytically active complex with CFLAR and that this complex is required for the protective function.
Molecular Weight	96 kDa
Formulation	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.

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Purity	>70%
SpecificActivity	38nM/min/mg
Concentration	0.05µg / µl
Applications	Kinase Assay, Western Blot
Storage	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

Gene Name	RIPK3 receptor-interacting serine-threonine kinase 3 [Homo sapiens]
Official Symbol	RIPK3
Synonyms	RIPK3; receptor-interacting serine-threonine kinase 3; receptor-interacting serine/threonine-protein kinase 3; RIP3; RIP-3; RIP-like protein kinase 3; receptor interacting protein 3; receptor-interacting protein 3; OTTHUMP00000164791; EC2.7.11.1
Gene ID	11035
mRNA Refseq	NM_006871
Protein Refseq	NP_006862
MIM	605817

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UniProt ID	Q9Y572
Chromosome Location	14q12
Pathway	CytosolicDNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensingpathway, conserved biosystem; Immune System, organism-specific biosystem;Innate Immune System, organism-specific biosystem; TNF-alpha/NF-kB SignalingPathway, organism-specific biosystem
Function	ATP binding;NF-kappaB-inducing kinase activity; nucleotide binding; protein binding;protein kinase activity

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