

## Recombinant Full Length Human RIPK3, GST-tagged, Active

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human RIPK3 encoding full-length human RIPK3 produced by baculovirus in Sf9 insect cells, was fused a GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Protein Length</b>	1-518 a.a.
<b>Description</b>	<p>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.</p>
<b>Molecular Weight</b>	96 kDa
<b>Formulation</b>	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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<b>Purity</b>	>70%
<b>SpecificActivity</b>	38nM/min/mg
<b>Concentration</b>	0.05µg / µl
<b>Applications</b>	Kinase Assay, Western Blot
<b>Storage</b>	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

<b>Gene Name</b>	RIPK3 receptor-interacting serine-threonine kinase 3 [ Homo sapiens ]
<b>Official Symbol</b>	RIPK3
<b>Synonyms</b>	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
<b>Gene ID</b>	11035
<b>mRNA Refseq</b>	NM_006871
<b>Protein Refseq</b>	NP_006862
<b>MIM</b>	605817

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

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