Recombinant Human RIPK2, GST-His

Cat. No. RIPK2-711H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RIPK2, N-terminal fragment, amino acids M1-E299, N-terminal GST-HIS6 fusion protein with a Thrombin cleavage site, was expressed in*Sf9*insect cells.MW = 63,815 Da.
Species	Human
Source	Sf9 Cells
ProteinLength	1-299 a.a.
Description	This gene encodes a member of the receptor-interacting protein (RIP) family of serine/threonine protein kinases. The encoded protein contains a C-terminal caspase recruitment domain (CARD), and is a component of signaling complexes in both the innate and adaptive immune pathways. It is a potent activator of NF-κB and inducer of apoptosis in response to various stimuli.
Purification	GST-Affinity Chromatography.
Product Identity	RIPK2 was confirmed as RIPK2 by mass spectroscopy LC-ESI-MS/MS.
Storage Buffer	50 mM HEPES pH 7.5, 100 mM NaCl, 5 mM DTT, 4 mM reduced glutathione, 20% glycerol.
Concentration	0.206 μg/μl (Bradford method using BSA [Sigma, cat# A-7638, Lot 79H7641] as standard protein).

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Specific Activity	11 pmol/μg×min.
Storage	-80°C. Avoid repeated freeze-thaw cycles!

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

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	binding; protein serine/threonine kinase activity; signal transducer activity; transferase activity

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