

Active Recombinant Human RIPK2, His-tagged

Cat. No. RIPK2-419H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RIPK2, Catalytic Domain (amino acids 1-299), fused with His-tagged, expressed in insect cells.
Species	Human
Source	Insect Cells
ProteinLength	amino acids 1-299
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.
Form	50 mM Tris (pH 7.5), 150 mM NaCl, 0.5 mM EDTA, 0.02% Triton® X-100, 2 mM DTT and 50% Glycerol.
Bio-activity	37 nmoles of phosphate transferred to myelin basic protein (MBP) per minute per mg of total protein at 30 centigrade. Activity determined at a final protein concentration of 16.7 µg/mL.
Molecular Mass	38.9 kDa. Calculated from the protein sequence(s)
Purity	75% as determined by a Coomassie® blue stained SDS-PAGE gel.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	For maximum recovery please spin prior to use. Aliquots of the 5 ug, 10ug and 20ug sizes of kinase are not recommended as materials can be used in original packaging until exhausted. For larger sizes, the number of freeze/thaws may be reduced by preparing aliquots, aliquots below 20 µL are not recommended. Please never store a kinase diluted. If properly stored at -80 centigrade, this product is guaranteed for 6 months from date of purchase.
Concentration	0.47 mg/mL total protein as measured using the Bradford protein assay with BSA as a standard.
Dilutions	20 mM Tris (pH 7.5), 0.02% Triton® X-100, 0.1 mg/mL BSA, 2 mM DTT, 0.5 mM Na3VO4 and 10% Glycerol.
Shipping	dry ice

GENE INFORMATION

Gene Name	RIPK2 receptor-interacting serine-threonine kinase 2 [Homo sapiens]
Official Symbol	RIPK2
Synonyms	CCK; RICK; RIP2; CARD3; GIG30; CARDIAK; receptor-interacting serine/threonine-protein kinase 2; CARD-carrying kinase; CARD-containing IL-1 beta ICE-kinase; CARD-containing interleukin-1 beta-converting enzyme (ICE)-associated kinase; RIP-2; growth-inhibiting gene 30; receptor-interacting protein (RIP)-like interacting caspase-like apoptosis regulatory protein (CLARP) kinase; receptor-interacting protein 2; tyrosine-protein kinase RIPK2
Gene ID	8767
mRNA Refseq	NM_003821

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_003812
MIM	603455
UniProt ID	O43353
Chromosome Location	8q21
Pathway	Activated TLR4 signalling, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Canonical NF-kappaB pathway, organism-specific biosystem
Function	ATP binding; CARD domain binding; LIM domain binding

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA