

**Product:** RIPK2, active  
**Catalog #:** 02-2054  
**Amount:** 5 µg

**DESCRIPTION:** RIPK2 (RIP2; RICK) is a death domain-containing protein kinase encoding a predicted 540-amino acid protein which contains an N-terminal serine/threonine kinase catalytic domain and a C-terminal caspase activation and recruitment domain. RIPK2 is thought to regulate apoptosis induced by the FAS receptor pathway (1). RIPK2 has been shown to specifically interact with the CARD of ICE/caspase-1 and this interaction correlates with the processing of pro-caspase-1 and the formation of the active caspase-1 p20 (2) The gene accession number is [NM 003821](#)  
Gene Aliases: RICK; RIP2; CARD3; CARDIAK

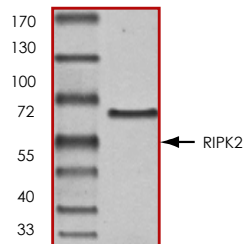
**SOURCE:** Recombinant human RIPK2 (1-299) was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag

**MOLECULAR WEIGHT:** 59 kDa  
**PURITY:** > 90% (by densitometry)  
**FORM:** Purified, in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol

**CONCENTRATION:** 0.1 mg/ml  
**SPECIFIC ACTIVITY:** 20 nmol/mim/mg  
**STORAGE:** -70°C (aliquot). AVOID repeated Freeze/thaw cycles

**REFERENCE:**

1. Inohara, N. et al: RICK, a novel protein kinase containing a caspase recruitment domain, interacts with CLARP and regulates CD95-mediated apoptosis. *J. Biol. Chem.* 273: 12296-12300, 1998. Note: Erratum: *J. Biol. Chem* 273: 18675 only, 1998
2. Thome, M. et al: Identification of CARDIAK, a RIP-like kinase that associates with caspase-1. *Curr. Biol.* 8: 885-888, 1998



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