Recombinant Active Dog RIPK1 Protein (1-327), N-GST-tagged

Cat. No. RIPK1-19D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant dog RIPK1 (1-327) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Dog
Source	Sf9 Cells
ProteinLength	1-327
Description	RIPK1 or Receptor Interacting Protein Kinase 1 is a serine/threonine kinase that was originally identified as interacting with the cytoplasmic domain of FAS. RIPK1 has been deemed as an important element in the signal transduction machinery that mediates programmed cell death. RIPK1 has been shown to interact with TRADD, TRAF1 TRAF2 and TRAF3 and TRADD can act as an adaptor protein to recruit RIPK1 to the TNFR1 complex in a TNF-dependent process. TNFα is capable of activating the noncanonical NF-κB pathway, but this activation of this pathway is negatively regulated by RIPK1.
Bio-activity	The specific activity of RIPK1 was determined to be 10 nmol/min/mg as per actity assay protocol.
Molecular Mass	Observed MW: ~63 kDa. Calculated MW: ~63 kDa.
Purity	The purity of RIPK1 was determined to be > 90 % by densitometry.

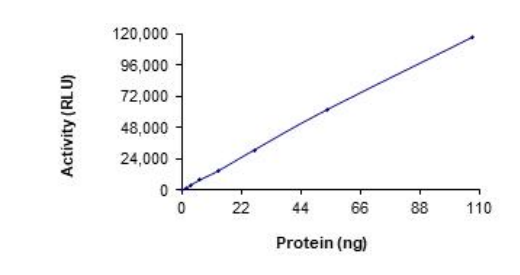
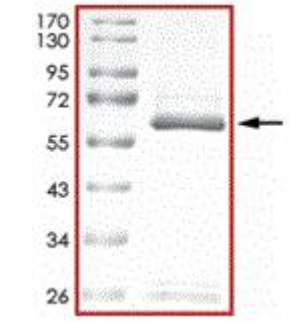
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Stability	One year at -70 centigrade from date of shipment.
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 μg/μL
Storage Buffer	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, and 25% glycerol.
Shipping	Dry ice

GENE INFORMATION

Gene Name	RIPK1 receptor interacting serine/threonine kinase 1 [Canis lupus familiaris (dog)]
Official Symbol	RIPK1
Synonyms	RIPK1; receptor interacting serine/threonine kinase 1; receptor-interacting serine/threonine-protein kinase 1; receptor (TNFRSF)-interacting serine-threonine kinase 1
Gene ID	102152063
mRNA Refseq	XM_038446235
Protein Refseq	XP_038302163
UniProt ID	A0A8I3S2L7

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Activity	
Purity	

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