

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

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant dog RIPK1 (1-327) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Dog
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	1-327
<b>Description</b>	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. TNF $\alpha$ is capable of activating the noncanonical NF- $\kappa$ B pathway, but this activation of this pathway is negatively regulated by RIPK1.
<b>Bio-activity</b>	The specific activity of RIPK1 was determined to be 10 nmol/min/mg as per activity assay protocol.
<b>Molecular Mass</b>	Observed MW: ~63 kDa. Calculated MW: ~63 kDa.
<b>Purity</b>	The purity of RIPK1 was determined to be > 90 % by densitometry.

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<b>Stability</b>	One year at -70 centigrade from date of shipment.
<b>Storage</b>	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.
<b>Concentration</b>	0.1 µg/µL
<b>Storage Buffer</b>	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, and 25% glycerol.
<b>Shipping</b>	Dry ice

## GENE INFORMATION

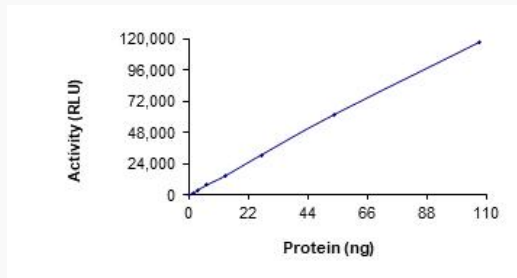
<b>Gene Name</b>	RIPK1 receptor interacting serine/threonine kinase 1 [ <i>Canis lupus familiaris</i> (dog) ]
<b>Official Symbol</b>	RIPK1
<b>Synonyms</b>	RIPK1; receptor interacting serine/threonine kinase 1; receptor-interacting serine/threonine-protein kinase 1; receptor (TNFRSF)-interacting serine-threonine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

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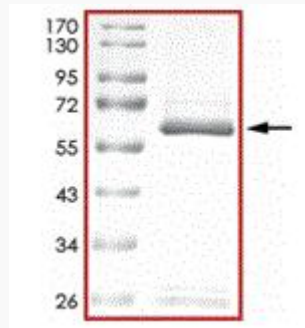
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**Activity**



**Purity**



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