

## Receptor-interacting serine/threonine-protein kinase 3

Catalog No: #AP78812



Package Size: #AP78812-1 50ug #AP78812-2 100ug #AP78812-3 1mg

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## Description

Product Name	Receptor-interacting serine/threonine-protein kinase 3
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Rat
Immunogen Description	Recombinant protein
Other Names	Rip3, Homocysteine respondent protein HCYP2, RIP-like protein kinase 3, Receptor-interacting protein 3, RIP-3
Accession No.	Q9Z2P5 Gene name: Ripk3
Uniprot	Q9Z2P5
GeneID	246240;
Tag Info	His
Formulation	50mM NaH <sub>2</sub> PO <sub>4</sub> , 500mM NaCl Buffer with 500mM Imidazole, 10% glycerol (PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.) Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Essential for necroptosis, a programmed cell death process in response to death-inducing TNF- $\alpha$  family members. Upon induction of necrosis, RIPK3 interacts with, and phosphorylates RIPK1 and MLKL to form a necrosis-inducing complex. RIPK3 binds to and enhances the activity of three metabolic enzymes: GLUL, GLUD1, and PYGL. These metabolic enzymes may eventually stimulate the tricarboxylic acid cycle and oxidative phosphorylation, which could result in enhanced ROS production.

## References

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Note: This product is for in vitro research use only