

Recombinant Mus musculus Receptor-interacting serine/threonine-protein kinase 3

Catalog No: #AP73139

Orders: order@signalwayantibody.com

Package Size: #AP73139-1 20ug #AP73139-2 100ug #AP73139-3 1mg

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Mus musculus Receptor-interacting serine/threonine-protein kinase 3
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-486aaSequence Info:Full Length
Other Names	RIP-like protein kinase 3Receptor-interacting protein 3 ;RIP-3 ;mRIP3
Accession No.	Q9QZL0
Uniprot	Q9QZL0
GeneID	56532;
Calculated MW	55.3 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MSSVKLWPTGASAVPLVSREELKKLEFVGKGGFGVVFRAHRTWNHDVAVKIVNSKKISWEVKAMVNLNRNEN VLLLLGVTEDLQWDFVSGQALVTRFMENGLAGLLQPECPRPWPLLCRLLQEVLGMCYLHSLNPPLLRDL KPSNILLDPELHAKLADFGGLSTFQGGSQSGSGSGSRDSSGGTLAYLDPELLFDVNLKASKASDVYSFGILVW AVLAGREAELVDKTSLIRETVCDRQSRPPLTEPPGSPETPGLEKLEKELMIHCWGSQSENRPQDCEPKTNE VYNLVKDKVDAAVSEVKHYLSQHRSSGRNLSAREPSQRGTEMDCPRETMVSKMLDRLHLEEPSGVPKGKCP ERQAQDTSVGPATPARTSSDPVAGTPQIPHTLPFRGTTGPFVFTETPGPHQQRNQGDGRHGTPWYPWTPPN PMTGPPALVFNNCSEVQIGNYNSLVAPPRTTASSAKYDQAQFGRGRGWQPFHK
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes: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 mbers. 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

Mouse receptor interacting protein 3 does not contain a caspase-recruiting or a death domain but induces apoptosis and activates NF-kappaB.Pazdernik N.J., Donner D.B., Goebel M.G., Harrington M.A.Mol. Cell. Biol. 19:6500-6508(1999)Research Topic:Others

Note: This product is for in vitro research use only