

Recombinant Mouse RIPK3 Protein (1-486 aa), His-tagged

Cat. No. RIPK3-1723M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse RIPK3 Protein (1-486 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	Mouse
Source	Yeast
ProteinLength	1-486 aa
Description	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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	55.3 kDa
AA Sequence	MSSVKLWPTGASAVPLVSREELKKLEFVGKGGFGVVFRAHHRTWNHDDVAVKIVNSK KISWEVKAMVNLRNENVLLLLGVTEDLQWDFVSGQALVTRFMENGLAGLLQPECP RPWPLLCRLLQEVLGMCYLHSLDPPLLHRDLKPSNILLDPELHAKLADFGGLSTFQG GSQSGSGSGSGSRDSGGTLAYLDPELLFKVNLKASKASDVYSFGILVWAVLAGREA

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ELVDKTSLIRETVCDRQSRPPLTELPPGSPETPGLEKLEKELMIHCWGSQSENRPFSQ
 DCEPKTNEVYNLVKDKVDAAVSEVKHYLSQHRSSGRNLSAREPSQRGTEMDCPRE
 TMVSKMLDRLHLEEPSGPVPGKCPERQAQDTSVGPATPARTSSDPVAGTPQIPHTL
 PFRGTTGPGVFTETPGPHPQRNQGDRHGTPWYPWTPPNPMTGPPALVFNNCSE
 VQIGNYNLSLVAPPRTTASSSAKYDQAQFGRGRGWQPFHK

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name [Ripk3 receptor-interacting serine-threonine kinase 3 \[Mus musculus \]](#)

Official Symbol [RIPK3](#)

Synonyms RIPK3; RIP-3; mRIP3; Rip3; AW107945; 2610528K09Rik;

Gene ID [56532](#)

mRNA Refseq [NM_001164107](#)

Protein Refseq [NP_001157579](#)

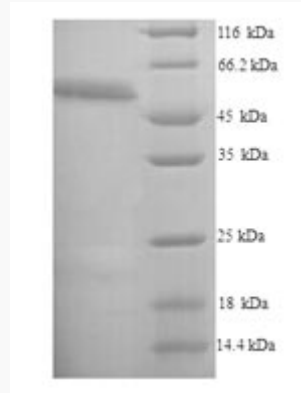
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UniProt ID

Q9QZL0



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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