

Recombinant Mus musculus Mixed lineage kinase domain-like protein

Catalog No: #AP73118

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Package Size: #AP73118-1 20ug #AP73118-2 100ug #AP73118-3 1mg

Description

Product Name	Recombinant Mus musculus Mixed lineage kinase domain-like protein
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-472aaSequence Info:Full Length
Accession No.	Q9D2Y4
Uniprot	Q9D2Y4
GeneID	74568;
Calculated MW	56.3 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MDKLGQIIKLGQLIYEQCEKMKYCRKQCQRLGNRVHGLLQPLQRLQAQGGKKNLPDDITAALGRFDEVLKEANQ QIEKFSKSHIWKVSVGNDKILFHEVNEKLRDVEEELLLLQVYHWNTVSDVSQPASWQQEDRQDAEEDGN ENMKVILMQLQISVEEINKTLKQCSLKPTQEIPQDLQIKEIPKEHLGPPWTKLKTSMSTIYRGEYHRSPVTIKVF NNPQAESVGIVRFTFNDEIKTMKKFDSPNLRIFGICIDQTVKPEFSIVMEYCELGTLRELLDREKDLTMSVRSL LVLRAARGLYRLHHSETLHRNISSSSFLVAGGYQVKLAGFELSKTQNSISRTAKSTKAERSSSTIYVSPERLKNP FCLYDIKAEIYSFGIVLWEIATGKIPFEGCDSKKIRELVAEDKKQEPVGDCEPELLREIINECRAHEPSQRPSVDG RSLSGRERILERLSAVEESTDKKV
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

Pseudokinase that plays a key role in TNF-induced necroptosis, a programmed cell death process. Activated following phosphorylation by RIPK3, leading to homotrimerization, localization to the plasma mbrane and execution of programmed necrosis characterized by calcium influx and plasma mbrane damage. Does not have protein kinase activity.

References

The pseudokinase MLKL mediates necroptosis via a molecular switch mechanism.Murphy J.M., Czabotar P.E., Hildebrand J.M., Lucet I.S., Zhang J.G., Alvarez-Diaz S., Lewis R., Lalaoui N., Metcalf D., Webb A.I., Young S.N., Varghese L.N., Tannahill G.M., Hatchell E.C., Majewski I.J., Okamoto T., Dobson R.C., Hilton D.J. , Babon J.J., Nicola N.A., Strasser A., Silke J., Alexander W.S.Immunity 39:443-453(2013)Research Topic:Others

Note: This product is for in vitro research use only