

Recombinant Mouse Mast cell protease 4(Mcpt4)

Catalog No: #AP74540



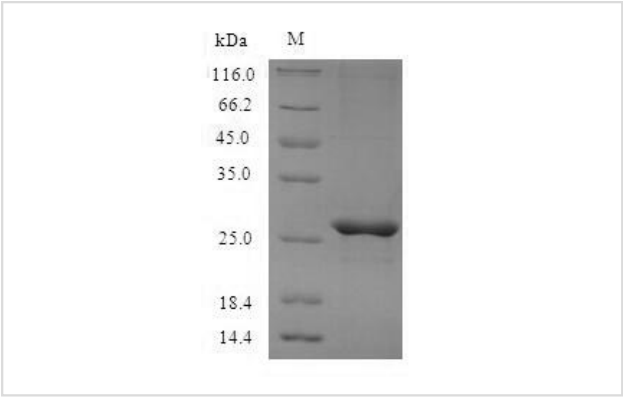
Package Size: #AP74540-1 20ug #AP74540-2 100ug #AP74540-3 1mg

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Description

Product Name	Recombinant Mouse Mast cell protease 4(Mcpt4)
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:21-246aaSequence Info:Full Length
Other Names	mMCP-4 MSMCP Myonase Serosal mast cell protease
Accession No.	P21812
Uniprot	P21812
GeneID	17227;
Calculated MW	27.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	IIGGVESRPHSRPYMAHLEITTERGFTATCGGFLITRQFVMTAAHCSGREITVTLGADVSKTESTQQKIKVEKQ IVHPKYNFYSNLHDIMLLKLQKKAKETPSVNVIPLEPRPSDFIKPGKMCRAAGWGRTGVTEPTSDTLREVKLRLIM DKEACKNYWHYDYNLQVCVGSPPKKRSAYKGDGGPLLCAQVAHGIVSYGRGDAKPPAVFTRISSYVPWIN RVIKGE
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.

Images



Background

Has chymotrypsin-like activity. Hydrolyzes the amide bonds of synthetic substrates having Tyr and Phe residues at the P1 position. Preferentially hydrolyzes the 'Tyr-4-|-Ile-5' bond of angiotensin I and the 'Phe-20-|-Ala-21' bond of amyloid beta-protein, and is less active towards the 'Phe-8-|-His-9' bond of angiotensin I and the 'Phe-4-|-Ala-5' and 'Tyr-10-|-Glu-11' bonds of amyloid beta-protein. Involved in thrombin regulation and fibronectin processing.

References

"The chymase, mouse mast cell protease 4, constitutes the major chymotrypsin-like activity in peritoneum and ear tissue. A role for mouse mast cell protease 4 in thrombin regulation and fibronectin turnover." Tchougounova E., Pejler G., Abrink M.J. Exp. Med. 198:423-431(2003) Research Topic: Cell Biology

Note: This product is for in vitro research use only