Recombinant Mouse MCPT4 Protein (21-246 aa), His-tagged

Cat. No. MCPT4-2050M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse MCPT4 Protein (21-246 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cell Biology. Protein Description: Full Length of Mature Protein.
Species	Mouse
Source	Yeast
ProteinLength	21-246 aa
Description	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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	27.1 kDa
AA Sequence	IIGGVESRPHSRPYMAHLEITTERGFTATCGGFLITRQFVMTAAHCSGREITVTLGAH DVSKTESTQQKIKVEKQIVHPKYNFYSNLHDIMLLKLQKKAKETPSVNVIPLPRPSDFI KPGKMCRAAGWGRTGVTEPTSDTLREVKLRIMDKEACKNYWHYDYNLQVCVGSP RKKRSAYKGDSGGPLLCAGVAHGIVSYGRGDAKPPAVFTRISSYVPWINRVIKGE

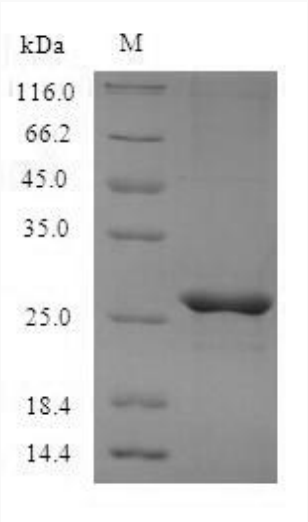
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage 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	Mcpt4 mast cell protease 4 [Mus musculus]
Official Symbol	MCPT4
Synonyms	MCPT4; MSMCP; myonase; Mcp4; Mcp-4; MMCP-4; MMCP-4A; MMCP-4B;
Gene ID	17227
mRNA Refseq	NM_010779
Protein Refseq	NP_034909
UniProt ID	P21812

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

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