

Mast cell protease 4 Recombinant Protein | Mcpt4 recombinant protein

Recombinant Mouse Mast cell protease 4

CATALOG # AAA18631	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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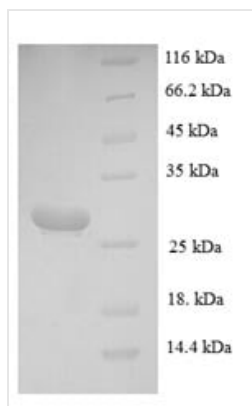
PRODUCT SYNONYMS

Mast cell protease 4; Recombinant Mouse Mast cell protease 4; MSMCP; Myonase; Serosal mast cell protease; Mcpt4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	21-246aa; Full Length of Mature Protein
Sequence	IIGGVESRPH SRPYMAHLEI TTERGFTATC GGFLITRQFV MTAAHCSGRE ITVTLGAHDV SKTESTQQKI KVEKQIVHPK YNFYSNLHDI MLLKLQKKAK ETPSVNVIP LPRPSDFIKPG KMCRAAGWGR TGVTEPTSDT LREVKLRIMD KEACKNYWHY DYNLQVCVGS PRKKRSAYKG DSGGPLLCAG VAHGIVSYGR GDAKPPAVFT RISSVYPWIN RVIKGE
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Mcpt4 recombinant protein	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.
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References	Cloning of the cDNA and gene for mouse mast cell protease 4. Demonstration of its late transcription in mast cell subclasses and analysis of its homology to subclass-specific neutral proteases of the mouse and rat. Serafin W.E., Sullivan T.P., Conder G.A., Ebrahimi A., Marcham P., Johnson S.S., Austen K.F., Reynolds D.S.J. Biol. Chem. 266:1934-1941(1991) Independent influence of strain difference and mi transcription factor on the expression of mouse mast cell chymases. Ge Y., Jippo T., Lee Y.-M., Adachi S., Kitamura Y. Am. J. Pathol. 158:281-292(2001) Cloning and structural analysis of MMCP-1, MMCP-4 and MMCP-5, three mouse mast cell-specific serine proteases. Huang R., Blom T., Hellman L. Eur. J. Immunol. 21:1611-1621(1991) Purification and characterization of myonase from X-chromosome linked muscular dystrophic mouse skeletal muscle. Hori S., Ohtani S., Hori C., Nokihiro K.J. Biochem. 123:650-658(1998) Different mouse mast cell populations express various combinations of at least six distinct mast cell serine proteases. Reynolds D.S., Stevens R.L., Lane W.S., Carr M.H., Austen K.F., Serafin W.E. Proc. Natl. Acad. Sci. U.S.A. 87:3230-3234(1990) Biochemical and immunological characterization of multiple glycoforms of mouse mast cell protease 1 comparison with an isolated murine serosal mast cell protease (MMCP-4). Newlands G.F.J., Knox D.P., Pirie-Shepherd S.R., Miller H.R.P. Biochem. J. 294:127-135(1993) 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)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	114205406
NCBI GeneID	17227
NCBI Accession #	NP_034909.2
NCBI GenBank Nucleotide #	NM_010779.2
UniProt Accession #	P21812; Q9EPQ9; Q9EQT2
Molecular Weight	27.1 kDa
NCBI Official Full Name	mast cell protease 4
NCBI Official Synonym Full Names	mast cell protease 4
NCBI Official Symbol	Mcpt4
NCBI Official Synonym Symbols	Mcp4; Mcp-4; MMCP-4; MMCP-4A; MMCP-4B
NCBI Protein Information	mast cell protease 4
UniProt Protein Name	Mast cell protease 4
UniProt Gene Name	Mcpt4
UniProt Synonym Gene Names	mMCP-4
UniProt Entry Name	MCPT4_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/mcpt4-recombinant-protein-e-coli/18631>