

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

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | 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.                                                                                                                                                                                                                                     |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 21-246 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 27.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | IIGGVESRPHSRPYMAHLEITTERGFTATCGGFLITRQFVMTAAHCSGREITVTLGAH<br>DVSKTESTQQKIKVEKQIVHPKYNFYSNLHDIMLLKLQKKAKETPSVNVIPRPSDFI<br>KPGKMCRAAGWGRTGVTEPTSDTLREVKLRLMDKEACKNYWHYDYNLQVCVGSP<br>RKKRSAYKGDGGPLLCAAGVAHGIVSYGRGDAKPPAVFTRISSYVPWINRVIKGE                                                                                                                                                                                                                       |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

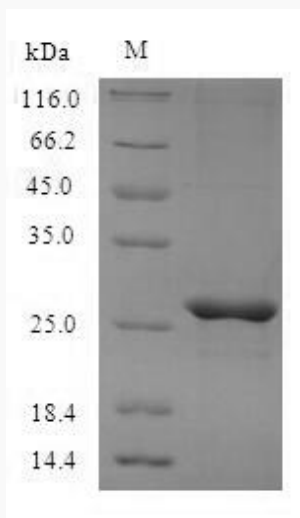
 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>          | 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. |
| <b>Concentration</b>    | A hardcopy of COA with reconstitution instruction is sent along with the products.                                                                                                                                                                                                                                  |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | <a href="#">Mcpt4 mast cell protease 4 [ Mus musculus ]</a>                                                                                                                                                                                                                                                         |
| <b>Official Symbol</b>  | <a href="#">MCPT4</a>                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>         | MCPT4; MSMCP; myonase; Mcp4; Mcp-4; MMCP-4; MMCP-4A; MMCP-4B;                                                                                                                                                                                                                                                       |
| <b>Gene ID</b>          | <a href="#">17227</a>                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | <a href="#">NM_010779</a>                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>   | <a href="#">NP_034909</a>                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>       | <a href="#">P21812</a>                                                                                                                                                                                                                                                                                              |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA