

# Recombinant Mouse MCPT1 protein(Met1-Lys246), His-tagged

**Cat. No.** Mcpt1-306M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse MCPT1 (NP_032596.1) (Met 1-Lys 246) was expressed in HEK293 with a polyhistidine tag at the C-terminus.                                                                                                                        |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 1-246 a.a.                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                   |
| <b>Molecular Mass</b>   | The secreted recombinant mouse MCPT1 consists of 239 amino acids and has a predicted molecular mass of 26.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm MCPT1 is approximately 32-34 kDa due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                   |
| <b>Purity</b>           | > 97 % as determined by SDS-PAGE                                                                                                                                                                                                                 |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.  |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

|                  |                                             |
|------------------|---------------------------------------------|
| <b>Gene Name</b> | Mcpt1 mast cell protease 1 [ Mus musculus ] |
|------------------|---------------------------------------------|

|                        |       |
|------------------------|-------|
| <b>Official Symbol</b> | MCPT1 |
|------------------------|-------|

|                 |                                                       |
|-----------------|-------------------------------------------------------|
| <b>Synonyms</b> | MCPT1; mast cell protease 1; MMCP-1; Mcp-1; AV080368; |
|-----------------|-------------------------------------------------------|

|                |       |
|----------------|-------|
| <b>Gene ID</b> | 17224 |
|----------------|-------|

|                    |           |
|--------------------|-----------|
| <b>mRNA Refseq</b> | NM_008570 |
|--------------------|-----------|

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| <b>Protein Refseq</b> | NP_032596 |
|-----------------------|-----------|

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