

## Active Recombinant Human MME protein, hFc-tagged

**Cat. No.** MME-264H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human MME protein(NP_000893.2)(Tyr52-Trp750), fused with hFc tag, was expressed in HEK293.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | HEK293  |
| <b>ProteinLength</b>    | Tyr52-Trp750  |
| <b>Form</b>             | Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.  |
| <b>Bio-activity</b>     | Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPPGFSAFK(Dnp)-OH. The specific activity is >1000 pmoles/min/μg.   |
| <b>Molecular Mass</b>   | The recombinant human MME/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 936 amino acids and predicts a molecular mass of 106 kDa. As a result of glycosylation, the rh Fc monomer migrates as approximately 120-130 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per μg of the protein as determined by the LAL method  |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE  |

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**Storage** 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.

**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

**Gene Name** MME membrane metallo-endopeptidase [ Homo sapiens ]

**Official Symbol** MME

**Synonyms** MME; membrane metallo-endopeptidase; neprilysin; CALLA; CD10; enkephalinase; NEP; neutral endopeptidase; atriopeptidase; skin fibroblast elastase; neutral endopeptidase 24.11; membrane metallo-endopeptidase variant 1; membrane metallo-endopeptidase variant 2; common acute lymphocytic leukemia antigen; membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase); membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10); SFE; MGC126681; MGC126707; DKFZp686O16152;

**Gene ID** 4311

**mRNA Refseq** NM\_000902

**Protein Refseq** NP\_000893

**MIM** 120520

**UniProt ID** P08473

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