

# Human CD10/Neprilysin recombinant protein



Catalog Number: 502361

## General Information

### Gene Name Synonym

Atriopeptidase; Common acute lymphocytic leukemia antigen; Enkephalinase; Neutral endopeptidase 24.11; Skin fibroblast elastase

### Protein Construction

A DNA sequence encoding the extracellular domain (Tyr 52-Trp 750) of human MME (NP\_000893.2) was expressed and purified.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPPGFSAFK(Dnp)-OH, (R&D Systems, Catalog # ES005). The specific activity is >1,000 pmoles/min/μg.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Tyr 52

### Molecular Mass

The recombinant human MME consists of 699 amino acids and predicts a molecular mass of 80 kDa. As a result of glycosylation, rhMME migrates as approximately 90-100 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

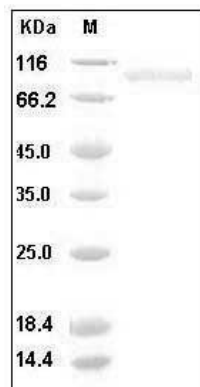
### Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human CD10 / Neprilysin / MME Protein SDS-PAGE