

Recombinant Mouse MME/Neprilysin/CD10 Protein

Catalog No.: RP02735

Sequence Information

Species **Gene ID**
Mouse 17380

Swiss Prot **Tags**
Q61391 N-His

Synonyms

Neprilysin; Atriopeptidase;
Enkephalinase; NEP; Neutral; SFE;
CD10; MME; CALLA;
DKFZp686O16152; MGC126681;
MGC126707

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
Tris-Bis PAGE; ≥
95 % as
determined by
HPLC.

Calculated MW **Observed MW**
81.1 kDa 82-110 kDa

Endotoxin
< 1 EU/μg of the protein by LAL
method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

CD10 is an endopeptidase that degrades various bioactive peptides in the extracellular matrix. In addition to enzymatic degradation, it affects multiple intracellular signal transduction pathways. CD10 expression has been extensively studied in human epithelial cancers of numerous organs and sites. CD10 expression pattern depended on the histotypes of thyroid lesions. When possible metastatic tumours and non-epithelial tumours are excluded, high CD10 expression may be useful in determining whether a primary thyroid carcinoma includes an anaplastic component.

Basic Information

Description

Recombinant Mouse MME/CD10 Protein is produced by Expi293 cells expression system. The target protein is expressed with sequence (Tyr52-Trp750) of Mouse MME/CD10 (Accession #Q61391) fused with His tag at the N-terminus.

Activity

Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPPGFSAFK (Dnp) -OH. The specific activity is > 3000 pmoles/min/μg.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

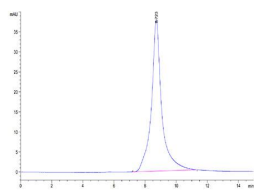
Contact

☎ | 400-999-6126

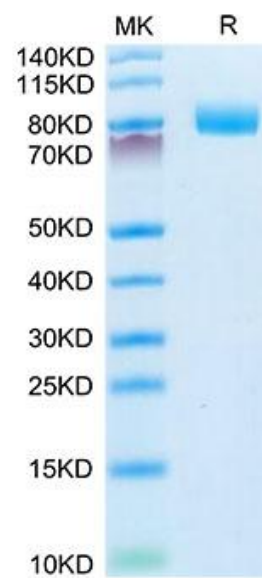
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Validation Data



The purity of Mouse CD10 is greater than 95% as determined by SEC-HPLC.



Recombinant Mouse MME/CD10 Protein was determined by Tris-Bis PAGE under reducing conditions.