

Recombinant Mouse MME/CD10 Protein

Catalog No.: RP02735 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	17380	Q61391

Tags

N-His

Synonyms

Nepriylisin; 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

Less than 1EU per µg by the 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.

Contact

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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

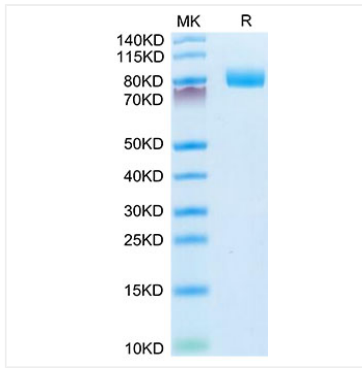
Recombinant Mouse MME/CD10 Protein is produced by Expi293 cells expression system. The target protein is expressed with sequence (Tyr52-Trp750) of Mouse MME/CD10 (Accession #Q61391) fused with His tag at the N-terminus.

Bio-Activity

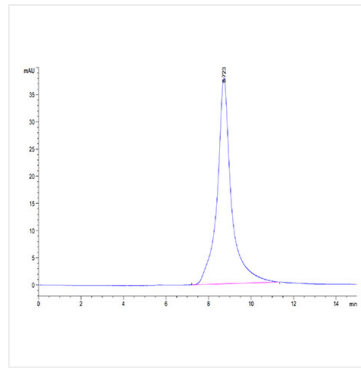
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Mouse CD10 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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