

Datasheet for ABIN7275263

MME Protein (AA 52-750) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	MME
Protein Characteristics:	AA 52-750
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MME protein is labelled with His tag.

Product Details

Purpose:	Human CD10/MME Protein
Sequence:	Tyr52-Trp750
Characteristics:	Recombinant Human CD10/MME Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Tyr52-Trp750.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	MME
Alternative Name:	CD10 (MME Products)

Target Details

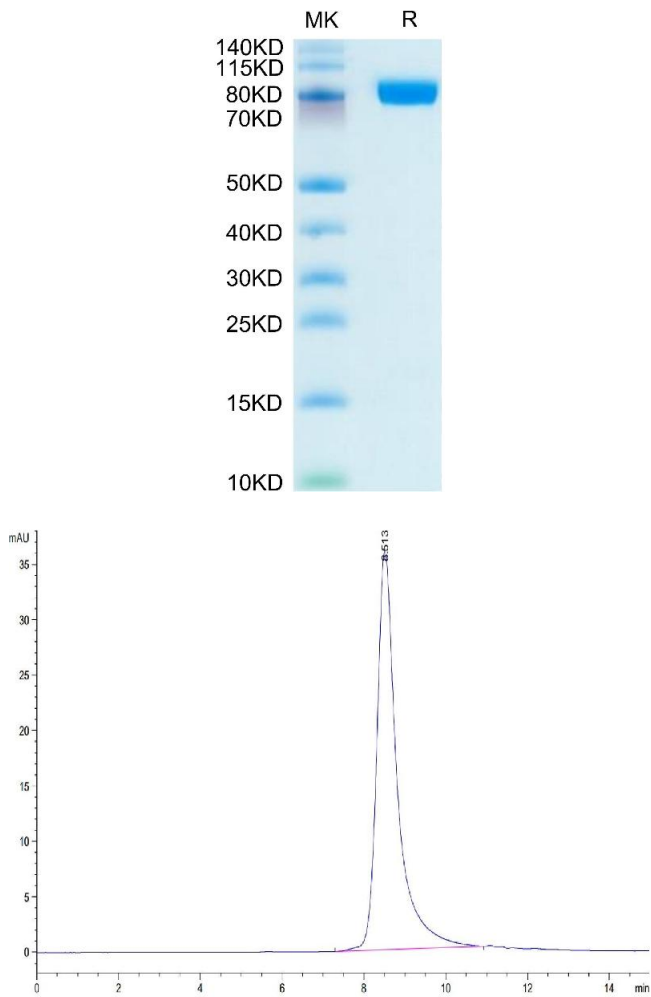
Background:	CD10 is an endopeptidase that degrades various bioactive peptides in the extracellular matrix. In addition to enzymatic degradation, it affects multiple intracellular signal transduction pathways. CD10 expression has been extensively studied in human epithelial cancers of numerous organs 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.
Molecular Weight:	80.9 kDa. Due to glycosylation, the protein migrates to 81-110 kDa based on Tris-Bis PAGE result.
UniProt:	P08473
Pathways:	RTK Signaling , Peptide Hormone Metabolism , Regulation of Systemic Arterial Blood Pressure by Hormones , Smooth Muscle Cell Migration

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 50 mM MES, 100 mM NaCl, 1 mM ZnCl ₂ , 10 % Glycerol (pH 6.5). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human CD10/MME on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human CD10/MME is greater than 95 % as determined by SEC-HPLC.