Recombinant Mouse MME/CD10/Neprilysin Protein(His Tag)

Catalog Number: GPEM0281

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

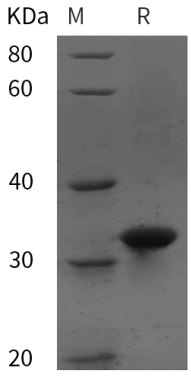
Description

Species	Mouse
Source	E.coli-derived Mouse MME protein Met461-Trp750, with an N-terminal His
Calculated MW	31.8 kDa
Observed MW	32 kDa
Accession	Q61391
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

CD10, also known as neprilysin, common acute lymphoblastic leukemia antigen (CALLA), or neutral endopeptidase (NEP), is a zinc-dependent transmembrane metallo-endopeptidase. CD10 cleaves peptides at the N-terminal side of hydrophobic amino acid residues and deactivates a variety of signaling peptides. CD10 was shown to be one of the markers for a natural killer cell-restricted progenitor in fetal and adult tissues. Studies also suggest CD10 as a phenotypic marker to distinguish mature neutrophils from immature neutrophils in patients with inflammation. In addition, CD10+ GPR77+ carcinoma-associated fibroblasts (CAFs) promote tumor formation and chemoresistance.