

Recombinant Mouse MME/CD10/Neprilysin protein (His tag)



Catalog Number: PDEM100075

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

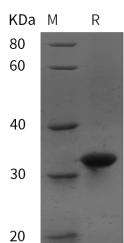
Description

Synonyms	Atriopeptidase;CALLA;Enkephalinase;EPN;NEP;Neprilysin;neprilysin-390;neprilysin-411;SFE;Skin fibroblast elastase
Species	Mouse
Expression Host	E.coli
Sequence	Met 461-Trp 750
Accession	Q61391
Calculated Molecular Weight	31.8 kDa
Observed molecular weight	32 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

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.

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