

Human CD10/Neprilysin (His Tag) recombinant protein



Catalog Number: 503208

General Information

Gene Name Synonym

Atriopeptidase; Common acute lymphocytic leukemia antigen; Enkephalinase; Neutral endopeptidase 24.11; Skin fibroblast elastase

Protein Construction

A DNA sequence encoding the extracellular domain (Tyr 52-Trp 750) of human CD10 (NP_000893.2) was fused with a polyhistidine tag at the N-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPPGFSAFK (Dnp)-OH, (R&D Systems, Catalog # ES005). The specific activity is >3,000 pmoles/min/μg.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

His

Molecular Mass

The recombinant human CD10 consists of 718 amino acids and predicts a molecular mass of 82.2 kDa. As a result of glycosylation, rh CD10 migrates as approximately 95-105 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

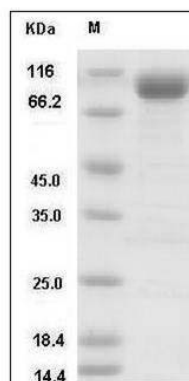
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



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