

Mouse CD13 / ANPEP (His Tag) recombinant protein



Catalog Number: 500507

General Information

Gene Name Synonym

Alanyl aminopeptidase; Aminopeptidase M; Membrane protein p161; Microsomal aminopeptidase

Protein Construction

A DNA sequence encoding the metalloprotease domain (Lys 66-Ser 966) of mouse ANPEP (NP_032512.2) was expressed with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to cleave the fluorogenic peptide substrate, Ala-7-amido-4-methylcoumarin (Ala-AMC). The specific activity is >800 pmoles/min/μg.

Purity

> 97 % 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

Lys 66

Molecular Mass

The recombinant mouse ANPEP consists of 909 amino acids and has a calculated molecular mass of 104 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 120-130 kDa protein 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

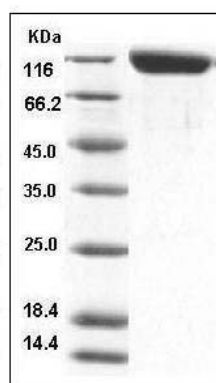
Storage

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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SDS-PAGE