

# 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/ $\mu$ g.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ g 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

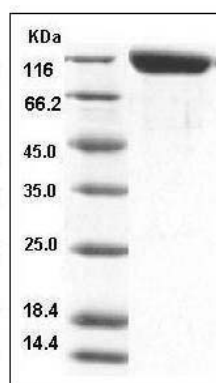
### Storage

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



Mouse ANPEP / APN / CD13 Protein (His Tag)  
SDS-PAGE