# Human CD13 / ANPEP (603 Met/Ile, His Tag) recombinant protein

Catalog Number: 500682



## **General Information**

#### **Protein Construction**

A DNA sequence encoding the metalloprotease domain (Lys 69-Lys 967?603 Met/Ile) of the mature form of human ANPEP (NP\_001141.2) was expressed with N-terminal signal peptide and C-terminal polyhistidine tag.

#### **Organism**

Human

#### **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 >2,500 pmoles/min/µg.

#### **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 69

#### **Molecular Mass**

The recombinant human ANPEP protein consists of 910 amino acids and has a predicted molecular mass of 104.2 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhANPEP is approximately 135-140 kDa due to glycosylation.

#### **Formulation**

Lyophilized from sterile PBS, pH 7.3

- 1.5% trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

## **Usage Guide**

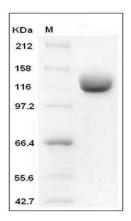
#### **Storage**

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**



Human ANPEP / CD13 Protein (603 Met/Ile, His Tag) SDS-PAGE