# Rat ENPEP / Aminopeptidase A (aa 41-945, His Tag) recombinant protein

Catalog Number: 502510



#### General Information

## Gene Name Synonym

Aminopeptidase A

#### **Protein Construction**

A DNA sequence encoding the mature form of rat ENPEP (P50123-1) (Arg41-Pro945) was expressed, with a polyhistide tag at the N-terminus.

# **Organism**

Rat

# **Expression Host**

**Baculovirus-Insect Cells** 

# **QC Testing**

# **Activity**

Measured by its ability to cleave the fluorogenic peptide substrate, Glu-7-amido-4-methyl coumarin (Glu-AMC).

The specific activity is >1, 500 pmoles/min/ $\mu$ g.

# **Purity**

> 95 % 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**

His

#### **Molecular Mass**

The recombinant rat ENPEP consists of 921 amino acids and predicts a molecular mass of 106 KDa. It migrates as an approximately 116 KDa band in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

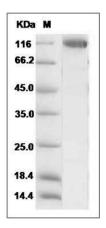
# **Storage**

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**



Rat ENPEP / Aminopeptidase A Protein (aa 41-945, His Tag) SDS-PAGE