# **Human CNDP1 (His Tag) recombinant protein**

Catalog Number: 502794



## **General Information**

# Gene Name Synonym

CNDP dipeptidase 1; Carnosine dipeptidase 1; Glutamate carboxypeptidase-like protein 2; Serum carnosinase

### **Protein Construction**

A DNA sequence encoding the mature form of human CNDP1 (NP\_116038.4) (Ser27-His507) was fused with a polyhistidine tag at the C-terminus.

# **Organism**

Human

# **Expression Host**

**Human Cells** 

# QC Testing

# **Activity**

Measured by its ability to cleave carnosine ( $\beta$ AlaL-His) in a twostep assay.

The specific activity is > 250 pmoles/min/ $\mu$ g.

# **Purity**

> 90 % as determined by SDS-PAGE and SEC-HPLC Analysis.

#### **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 $^{\circ}$ C

## Predicted N terminal

Ser 27

#### **Molecular Mass**

The recombinant human CNDP1 consists of 492 amino acids and has a calculated molecular mass of 55.3 kDa. As a result of glycosylation, the protein migrates as an approximately 60-65 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**

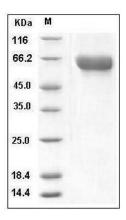
# **Storage**

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**



Human CNDP1 Protein (His Tag) SDS-PAGE