

# Mouse CNDP2 (His Tag) recombinant protein



Catalog Number: 501309

## General Information

### Gene Name Synonym

CNDP dipeptidase 2; Glutamate carboxypeptidase-like protein 1

### Protein Construction

A DNA sequence encoding the mouse CNDP2 (NP\_075638.2) (Met 1-Asn 475) was expressed, with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Measure by its ability to cleave carnosine ( $\beta$ -Ala-His) in a two step assay (mouse CNDP2 concentration 10  $\mu$ g/ml). The specific activity is >40 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

Met 1

### Molecular Mass

The recombinant mouse CNDP2 consists of 485 amino acids and has a calculated molecular mass of 54 kDa. The apparent molecular mass of the protein is approximately 50 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, 0.5mM PMSF, 10% glycerol, pH 8.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

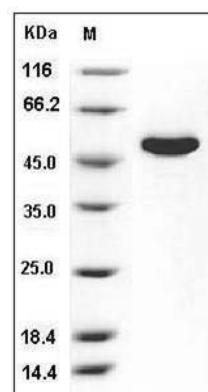
### Storage

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 CNDP2 / CN2 / CPGL Protein (His Tag)  
SDS-PAGE