

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.

Source: Mouse

Expression Host: Baculovirus-Insect Cells

QC Testing

Activity:

Measure by its ability to cleave carnosine (β -Ala-His) in a two step assay (mouse CNDP2 concentration 10 μ g/ml). The specific activity is >40 pmoles/min/ μ g.

Purity:

> 97 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per μ 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

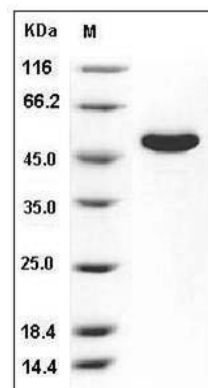
Storage:

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