Mouse CNDP1 (His Tag) recombinant protein

Catalog Number: 501868

General Information

Gene Name Synonym

CNDP dipeptidase 1; Carnosine dipeptidase 1

Protein Construction

A DNA sequence encoding the mouse CNDP1 (Q8BUG2) (Met 1-Tyr 492) was expressed, with an N-terminal signal peptide and a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to cleave carnosine (ß-Ala-L-His)in a two step assay.
The specific activity is > 250 pmoles/min/µg.

Purity

> 93 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Met 1

Molecular Mass

The secreted recombinant mouse CNDP1 comprises 503 amino acids and has a calculated molecular mass of 56.5 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 55 kDa 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

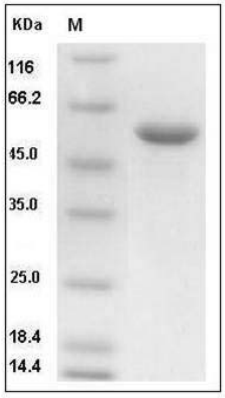
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 CNDP1 Protein (His Tag) SDS-PAGE