

Recombinant Mouse CNDP2 protein(Met1-Asn475), His-tagged

Cat. No. CNDP2-858M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CNDP2 (NP_075638.2) (Met 1-Asn 475) was expressed in Insect Cells, with a C-terminal polyhistidine tag.
Species	Mouse
Source	Insect Cells
ProteinLength	1-475 a.a.
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, 0.5mM PMSF, 10% glycerol, pH 8.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured 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.
Molecular Mass	The recombinant mouse CNDP2 consists of 486 amino acids and has a calculated molecular mass of 54.22 kDa. The apparent molecular mass of the protein is approximately 50 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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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

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Cndp2 CNDP dipeptidase 2 \(metallopeptidase M20 family\) \[Mus musculus \]](#)

Official Symbol [CNDP2](#)

Synonyms

CNDP2; CNDP dipeptidase 2 (metallopeptidase M20 family); cytosolic non-specific dipeptidase; peptidase 1; peptidase A; cytosolic nonspecific dipeptidase; glutamate carboxypeptidase-like protein 1; Cn2; Pep1; Dip-2; Pep-1; C76600; 0610010E05Rik;

Gene ID [66054](#)

mRNA Refseq [NM_023149](#)

Protein Refseq [NP_075638](#)

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