

Product Name: Recombinant Mouse CNDP2 (C-6His)
Catalog #: PHM0425

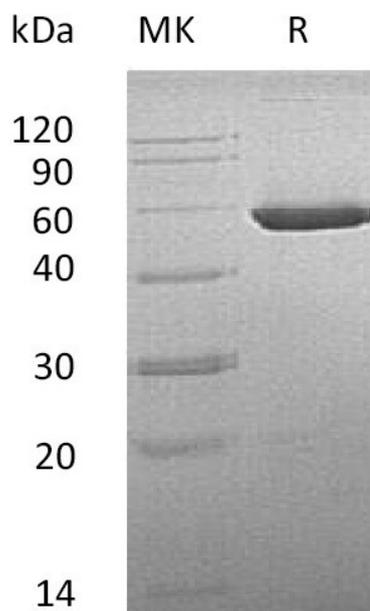


Summary

Name	CNDP2/CN2 /CPGL
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse Cytosolic Non-specific Dipeptidase is produced by our Mammalian expression system and the target gene encoding Met1-Asn475 is expressed with a 6His tag at the C-terminus.
Accession #	Q9D1A2
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	53.8 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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Alternative Names

CNDP2;CNDP dipeptidase 2;Cytosolic non-specific dipeptidase;Glutamate carboxypeptidase-like protein 1;Cn2

Background

Mouse cytosolic non-specific dipeptidase(CNDP2) is a cytoplasm protein which belongs to the peptidase M20A family. CNDP2 has 2 Isoform: Isoform 1 is ubiquitously expressed with higher levels in kidney and liver (at protein level). Isoform 2 is expressed in fetal tissues, it is only expressed in adult liver and placental tissues. CNDP2 hydrolyzes a variety of dipeptides including L-carnosine and has a strong preference for Cys-Gly. It is a cytosolic enzyme that can hydrolyze carnosine to yield L-histidine and beta-alanine. CNDP2 is highly expressed in the histaminergic neurons in the tuberomammillary nucleus, implying that it may supply histidine to histaminergic neurons for histamine synthesis. It may play a role as tumor suppressor in hepatocellular carcinoma (HCC) cells.

Note

For Research Use Only , Not for Diagnostic Use.