

Datasheet for ABIN7320732
CNDP2 Protein (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	CNDP2
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CNDP2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse CNDP2/CPGL/PEPA Protein (His Tag)
Sequence:	Met1-Asn475
Characteristics:	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.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CNDP2
Alternative Name:	CNDP2/CPGL/PEPA (CNDP2 Products)
Background:	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

Target Details

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.

Synonym: CNDP2,CNDP dipeptidase 2,Cytosolic non-specific dipeptidase,Glutamate carboxypeptidase-like protein 1,Dip-2,Pep-1,Pep1

Molecular Weight: 53.8 kDa

NCBI Accession: [NP_075638](#)

Application Details

Restrictions: For Research Use only

Handling

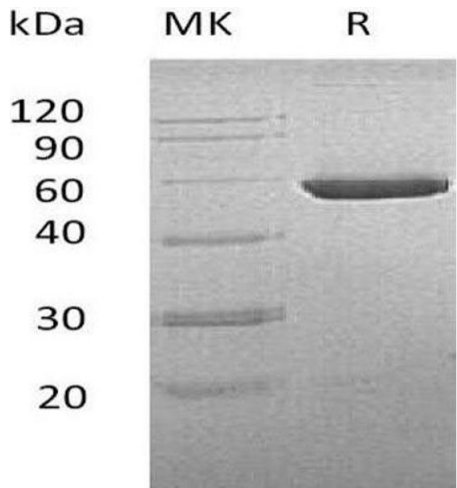
Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl,10 % Glycerol, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Images



Western Blotting

Image 1.