

## 32-8491: Recombinant Mouse CNDP Dipeptidase 2/CNDP2/CPGL (C-6His)

**Gene :** Cndp2  
**Gene ID :** 66054  
**Uniprot ID :** Q9D1A2

### Description

Source: Human Cells.  
MW :53.8kD.

Recombinant Mouse CNDP dipeptidase 2 is produced by our Mammalian expression system and the target gene encoding Met1-Asn475 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl,10% Glycerol, pH8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MSALKAVFYIDENQDRYVKKLAEWVAIQSVSAWPEKRGEIRRMMEVAAADVQRLGGSVELVDIGKQKLPDG  
SEIPLPPILLGKLGSDPQKKTVCYGHLDVQPALEDGWDEPFTLVEREGKLYGRGSTDDKGPVAGWMNALEA  
YQKTGQEIPVNLRFCLGMEESGSEGLDELIFAQKDKFFKDVDYVCISDNYWLGKKNPCITYGLRGICYFFIEVEC  
SDKDLHSGVYGGSVHEAMTDLISLMGCLVDKKGKILIPGINDAVAPVTDEEHALYDHIDFDMEEFAKDVGAETL  
LHSCCKDILMHRWRYPSLSLHGIEGAFSGSAGKTVIPRKVVGKFSIRLVPDMIPEVVSEQVSSYLSKKFAELQSPN  
KFKVYMGHGGKPWVSDFNHPPHYQAGRRALKTVFGVEPDLTREGGSIPVTLTFQEATGKNVMLLPVGSADDGA  
HSQNEKLNRLNYIEGTKMLAAYLYEVSQKKNVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.