

Product datasheet for **TP727230**

Cndp2 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse CNDP Dipeptidase 2/CNDP2/CPGL (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Met1-Asn475
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0.
Note:	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.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Locus ID:	66054
UniProt ID:	Q9D1A2
Synonyms:	CNDP2;CNDP dipeptidase 2;Cytosolic non-specific dipeptidase;Glutamate carboxypeptidase-like protein 1;Cn2
Summary:	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.



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