

Recombinant Mouse Cytosolic non-specific dipeptidase Protein

Cat.NO.: TP05253

3th Edition

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

Description: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.

Form:PBS

Molecular Weight:53.8 kDa

Sequences:Met 1-Asn 475

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.