

RP03208LQ

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Recombinant Mouse CNDP2 Protein

Catalog No.: RP03208LQ **Recombinant**

Sequence Information

| Species | Gene ID | Swiss Prot |
|--------------|---------|------------|
| HEK293 cells | 66054 | Q9D1A2 |

Tags

C-His

Synonyms

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

Product Information

| Source | Purification |
|--------------|-----------------------------------|
| HEK293 cells | ≥ 95 % as determined by SDS-PAGE. |

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Supplied as a 0.22 μm filtered solution in 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0. Contact us for customized product form or formulation.

Reconstitution

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.

Basic Information

Description

Recombinant Mouse CNDP2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Asn475) of Mouse CNDP2 (Accession #NP_075638.2) fused with a 6His tag at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

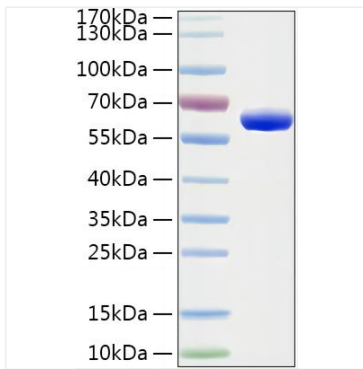
Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

Contact

 www.abclonal.com

* For your safety and health, please wear a lab coat and disposable gloves when handling.

Validation Data



Recombinant Mouse CNDP2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.