

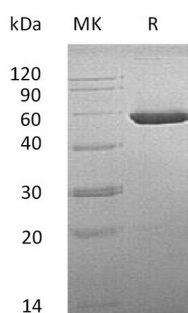
**Product Name: Recombinant Mouse CNDP2 (C-6His)**  
**Catalog #: PHM0425**



## 概述 (Summary)

|                             |                                                                                                                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 英文全称                        | CNDP2/CN2 /CPGL                                                                                                                                                                              |
| 纯度 (Purity)                 | Greater than 95% as determined by reducing SDS-PAGE                                                                                                                                          |
| 内毒素 (Endotoxin level)       | <1 EU/μg as determined by LAL test.                                                                                                                                                          |
| 蛋白构建 (Construction)         | 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. |
| Accession #                 | Q9D1A2                                                                                                                                                                                       |
| 蛋白标签 (Tag)                  |                                                                                                                                                                                              |
| 表达宿主 (Host)                 | Human Cells                                                                                                                                                                                  |
| 种属 (Species)                | Mouse                                                                                                                                                                                        |
| 预测分子量 (Predicted MW)        | 53.8 KDa                                                                                                                                                                                     |
| 蛋白形态 (Form)                 | Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0.                                                                                                   |
| 储存缓冲液 (Buffer)              |                                                                                                                                                                                              |
| 运输方式 (Shipping)             | The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.                                                                           |
| 稳定性&储存 (Stability &Storage) | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.                         |
| 复溶 (Reconstitution)         |                                                                                                                                                                                              |

## 电泳图 (SDS-PAGE image)



## 背景 (Background)

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**分子别名 (Alternative Names)**

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

**背景介绍 (References)**

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.

**注意事项 (Note)**

For Research Use Only , Not for Diagnostic Use.