# Recombinant Carnosine Dipeptidase 2 (CNDP2)(N-6His)

*Catalog#:PEM22771*

## 概述（Summary）

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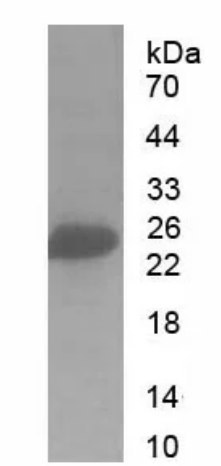
| **别称（Alternative Names）** | PEPA; CN2; CPGL; Peptidase A; Cytosolic Nonspecific Dipeptidase; Metallopeptidase M20 Family; Glutamate carboxypeptidase-like protein 1 |
| **纯度（Purity）** | Greater than 90% as determined by reducing SDS-PAGE. |
| **内毒素（Endotoxin level）** | <1 EU/μg as determined by LAL test. |
| **蛋白构建（Construction）** | 6His-【Glu285-Asn475】 |
| **Accession #** | Q9D1A2 |
| **表达宿主（Host）** | E.coli |
| **种属（Species）** | Mus musculus (Mouse) |
| **预测分子量（Predicted MW）** | 24.9 kDa |
| **制剂（Form）** | Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |
| **运输方式（Shipping）** | The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below. |
| **稳定性&储存（Stability &Storage）** | 12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles. |
| **复溶（Reconstitution）** | Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex. |
| **背景介绍（References）** | Catalyzes the peptide bond hydrolysis in dipeptides, displaying a non-redundant activity toward threonyl dipeptides. Mediates threonyl dipeptide catabolism in a tissue-specific way. Has high dipeptidase activity toward cysteinylglycine, an intermediate metabolite in glutathione metabolism. Metabolizes N-lactoyl-amino acids, both through hydrolysis to form lactic acid and amino acids, as well as through their formation by reverse proteolysis. Plays a role in the regulation of cell cycle arrest and apoptosis. |

## 电泳图（SDS-PAGE image）




Greater than 90% as determined by reducing SDS-PAGE.

## 注意事项（Note）

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