**Product Name: Recombinant Human CNDP1 (C-6His)**
**Catalog #: PHH0234**

## Summary

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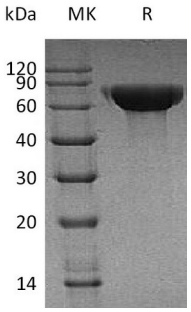
| **Name** | Carnosine Dipeptidase 1/CNDP1 |
| **Purity** | Greater than 95% as determined by reducing SDS-PAGE |
| **Endotoxin level** | <1 EU/μg as determined by LAL test. |
| **Construction** | Recombinant Human Carnosine Dipeptidase 1 is produced by our Mammalian expression system and the target gene encoding Ser27-His507 is expressed with a 6His tag at the C-terminus. |
| **Accession #** | AAI13513.1 |
| **Host** | Human Cells |
| **Species** | Human |
| **Predicted Molecular Mass** | 54.9 KDa |
| **Formulation** | Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5. |
| **Shipping** | The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below. |
| **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. |
| **Reconstitution** | |

## SDS-PAGE image




## Background

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| **Alternative Names** | Beta-Ala-His Dipeptidase; CNDP Dipeptidase 1; Carnosine Dipeptidase 1; Glutamate Carboxypeptidase-Like Protein 2; Serum Carnosinase; CNDP1; CN1; CPGL2 |
| **Background** | Carnosine Dipeptidase 1 (CNDP1) belongs to the M20 metalloprotease family. |

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CNDP1 is specifically expressed in the brain, serum and adult nervous central system. It is identified as human carnosinase. CNDP1 contains trinucleotide (CTG) repeat length polymorphism in the coding region and is inhibited by the metal chelator 1,10-o-phenantrolin. In addition, CNDP1 can hydrolyse the beta-Ala|-His dipeptide (carnosine), anserine, Xaa-|-His dipeptides and other dipeptides including homocarnosine. CNDP1 deficiency has been associated with homocarnosinosis disease.

## Note

For Research Use Only , Not for Diagnostic Use.