

## Recombinant Human CNDP1, His-tagged

Cat. No. CNDP1-11373H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CNDP1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	160-508a.a.
<b>Description</b>	This gene encodes a member of the M20 metalloprotease family. The encoded protein is specifically expressed in the brain, is a homodimeric dipeptidase which was identified as human carnosinase. This gene contains trinucleotide (CTG) repeat length polymorphism in the coding region.
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

### GENE INFORMATION

<b>Gene Name</b>	CNDP1 carnosine dipeptidase 1 (metallopeptidase M20 family) [ Homo sapiens ]
<b>Official Symbol</b>	CNDP1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Synonyms</b>	CNDP1; carnosine dipeptidase 1 (metallopeptidase M20 family); beta-Ala-His dipeptidase; carnosinase 1; CN1; CPGL2; glutamate carboxypeptidase like protein 2; HsT2308; MGC10825; serum carnosinase; CNDP dipeptidase 1; glutamate carboxypeptidase-like protein 2; MGC102737; MGC142072;
<b>Gene ID</b>	<a href="#">84735</a>
<b>mRNA Refseq</b>	<a href="#">NM_032649</a>
<b>Protein Refseq</b>	<a href="#">NP_116038</a>
<b>MIM</b>	<a href="#">609064</a>
<b>UniProt ID</b>	<a href="#">Q96KN2</a>
<b>Chromosome Location</b>	18q22.3
<b>Pathway</b>	Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Histidine metabolism, organism-specific biosystem; Histidine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; beta-Alanine metabolism, organism-specific biosystem; beta-Alanine metabolism, conserved biosystem;
<b>Function</b>	carboxypeptidase activity; dipeptidase activity; metal ion binding; metallopeptidase activity; peptidase activity; tripeptidase activity;

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