

Recombinant Human CNDP1, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human CNDP1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	160-508a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

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

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Synonyms	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;
Gene ID	84735
mRNA Refseq	NM_032649
Protein Refseq	NP_116038
MIM	609064
UniProt ID	Q96KN2
Chromosome Location	18q22.3
Pathway	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;
Function	carboxypeptidase activity; dipeptidase activity; metal ion binding; metallopeptidase activity; peptidase activity; tripeptidase activity;