

Recombinant Human CNDP2, His-tagged

Cat. No. CNDP2-11374H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CNDP2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	124-475a.a.
Description	CNDP2, also known as tissue carnosinase and peptidase A (EC 3.4.13.18), is a nonspecific dipeptidase rather than a selective carnosinase (Teufel et al., 2003 [PubMed 12473676]).
Source	E.coli
Species	Human
Tag	His
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.

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GENE INFORMATION

Gene Name	CNDP2 CNDP dipeptidase 2 (metallopeptidase M20 family) [Homo sapiens]
Official Symbol	CNDP2
Synonyms	CNDP2; CNDP dipeptidase 2 (metallopeptidase M20 family); PEPA, peptidase A; cytosolic non-specific dipeptidase; CN2; CPGL; cytosolic nonspecific dipeptidase (EC 3.4.13.18); FLJ10830; HsT2298; peptidase A; cytosolic nonspecific dipeptidase; glutamate carboxypeptidase-like protein 1; PEPA; FLJ35544;
Gene ID	55748
mRNA Refseq	NM_001168499
Protein Refseq	NP_001161971
MIM	169800
UniProt ID	Q96KP4
Chromosome Location	18q22.3
Pathway	Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Biological oxidations, organism-specific biosystem; Glutathione conjugation, organism-specific biosystem; Glutathione synthesis and recycling, organism-specific biosystem; Histidine metabolism, organism-specific biosystem; Histidine metabolism, conserved biosystem;
Function	carboxypeptidase activity; dipeptidase activity; metal ion binding; metallopeptidase

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activity; peptidase activity; tripeptidase activity;

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