

## Recombinant Human CNDP2, His-tagged

**Cat. No.** CNDP2-7215H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CNDP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>description</b>	Cytosolic non-specific dipeptidase, also known as CNDP2, is a cytosolic, non-specific dipeptidase that belongs to the peptidase M20A family of proteins. CNDP2 is a secreted peptidase homologous to M20 peptidases. It is expressed by all adult and fetal tissue, however, an isoform lacking exons 3 and 4 was expressed in all fetal tissue, but only in adult liver. Overexpression of CPGL-B in hepatocellular carcinoma cells leads to significant inhibition of HC cell viability, colony formation, cell invasiveness and tumor formation.
<b>source</b>	E. coli
<b>species</b>	Human
<b>tag</b>	His
<b>form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT
<b>molecular mass</b>	55.3kDa (498aa)

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**aa sequence**

MGSSHHHHH SSGLVPRGSH MGSMAALTTL FKYIDENQDR YIKKLAKWVA  
 IQSVSAWPEK RGEIRRMMEV AAADVQLGG SVELVDIGKQ KLPDGSEIPL  
 PPILLGRLGS DPQKKTVCYI GHLDVQPAAL EDGWDSEPFT LVERDGKLYG  
 RGSTDDKGPV AGWINALEAY QKTGQEIPVN VRFCLEGMEE SGSEGLDELI  
 FARKDTFFKD VDYVCISDNY WLGKKKPCIT YGLRGICYFF IEVECSNKDL  
 HSGVYGGSVH EAMTDLILLM GSLVDKRGNI LIPGINEAVA AVTEEEHKLY  
 DDIDFDIEEF AKDVGAQILL HSHKKDILMH RWRYPSSLH GIEGAFSGSG  
 AKTVIPRKVV GKFSIRLVPN MTPEVVGEQV TSYLTKKFAE LRSPNEFKVY  
 MGHGGKPWVS DFSHPHYLAG RRAMKTVFGV EPDLTREGGS IPVTLTFQEA  
 TGKNVMLLPV GSADDGAHSQ NEKLNRYNYI EGTKMLAAYL YEVSQDKD

**purity** >90% by SDS - PAGE

**applications** SDS-PAGE

**storage** Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**concentration** 1 mg/ml

## 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;

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<b>Gene ID</b>	55748
<b>mrna refseq</b>	NM_001168499
<b>protein refseq</b>	NP_001161971
<b>mim</b>	169800
<b>uniprot id</b>	Q96KP4
<b>chromosome location</b>	18q22.3
<b>pathway</b>	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;
<b>function</b>	carboxypeptidase activity; dipeptidase activity; metal ion binding; metallopeptidase activity; peptidase activity; tripeptidase activity;

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