

## Product datasheet for RC229984

### CNDP2 (NM\_001168499) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CNDP2 (NM_001168499) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CNDP2
Synonyms:	CN2; CPGL; HEL-S-13; HsT2298; PEPA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229984 representing NM_001168499 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCCCTCACTACCCTGTTAAGTACATAGATGAAAATCAGGATCGCTACATTAAGAACTCGCAA  
AATGGGTGGCTATCCAGAGTGTCTGCGTGGCCGGAGAAGAGAGGGCGAAATCAGGAGGATGATGGAAGT  
TGCTGTCGAGATGTTAAGCAGTTGGGGGCTCTGTGAACTGGTGGATATCGGAAAACAAAAGGAGATT  
CCTGTCAACGTCCGATTCTGCCTCGAAGGCATGGAGGAGTCAGGCTCTGAGGGCTAGACGAGCTGATTT  
TTGCCCGAAAGACACATTCTTTAAGGATGTGGACTATGTCTGCATTTCTGACAATTACTGGCTGGGAAA  
GAAGAAGCCCTGCATCACCTACGGCCTCAGGGCATTGCTACTTTTTCATCGAGGTGGAGTGCAGCAAC  
AAAGACCTCCATTCTGGGGTGTACGGGGCTCGGTGCATGAGGCCATGACTGATCTCATTTTGTGATGG  
GCTCTTTGGTGGACAAGAGGGGGAACATCCTGATCCCCGGCATTAAACGAGGCCGTGGCCCGCTCACGGA  
AGAGGAGCACAAGCTGTACGACGACATCGACTTTGACATAGAGGAGTTTGCCAAGGATGTGGGGCGCAG  
ATCCTCCTGCACAGCCACAAGAAAGACATCCTCATGCACCGATGGCGGTACCCGTCTCTGTCCCTCCATG  
GCATCGAAGGCGCCTTCTCTGGGTCTGGGGCAAGACCGTGATCCCAGGAAGGTGGTTGGCAAGTTCTC  
CATCAGGCTCGTGCCGAACATGACTCCTGAAGTCGTGGCGAGCAGGTCACAAGCTACCTAACTAAGAAG  
TTTGCTGAACACGCAGCCCAATGAGTTCAAGGTGACATGGCCACGGTGGGAAGCCCTGGGTCTCCG  
ACTTCAGTCAACCCTCATTACCTGGCTGGGAGAAGAGCCATGAAGACAGTTTTTGGTGTGAGCCAGACTT  
GACCAGGAAGGCGCAGTATTCCCGTGACCTTGACCTTTCAGGAGGCCCGGGCAAGAAGCTCATGCTG  
CTGCCTGTGGGTGAGCGGATGACGGAGCCACTCCAGAAATGAAAAGCTCAACAGGTATAACTACATAG  
AGGGAACCAAGATGCTGGCCGCTACCTGTATGAGGTCTCCAGCTGAAGGAC

**ACGGT**ACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001168499.1](#), [NP\\_001161971.1](#)

**RefSeq ORF:** 1176 bp

**Locus ID:** 55748

**UniProt ID:** [Q96KP4](#)

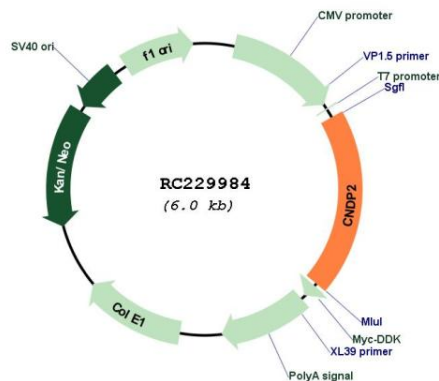
**Cytogenetics:** 18q22.3

**Protein Families:** Protease

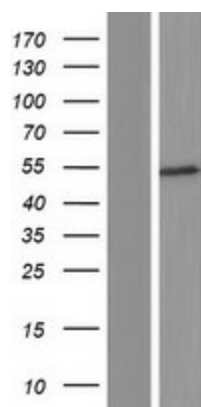
**MW:** 44.3 kDa

**Gene Summary:** 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]). [supplied by OMIM, Mar 2008]

### Product images:



Circular map for RC229984



Western blot validation of overexpression lysate (Cat# [LY432984]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229984 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).