

## Product datasheet for **SC113666**

### CNDP2 (NM\_018235) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CNDP2 (NM_018235) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNDP2
Synonyms:	CN2; CPGL; HEL-S-13; HsT2298; PEPA
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC113666 sequence for NM\_018235 edited (data generated by NextGen Sequencing)

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ATGGCGGCCCTCACTACCCTGTTTAAGTACATAGATGAAAATCAGGATCGCTACATTAAG
AAACTCGCAAATGGGTGGCTATCCAGAGTGTGTCTGCGTGGCCGGAGAAGAGAGGCGAA
ATCAGGAGGATGATGGAAGTTGCTGCTGCAGATGTTAAGCAGTTGGGGGCTCTGTGGAA
CTGGTGGATATCGGAAAACAAAAGCTCCCTGATGGCTCGGAGATCCCGCTCCCTCCTATT
CTGCTCGGCAGGCTGGGCTCCGACCCACAGAAGAAGACCGTGTGCATTTACGGGCACCTG
GATGTGCAGCCTGCAGCCCTGGAGGACGGCTGGGACAGCGAGCCCTTACCCTGGTGGAG
CGAGACGGCAAGCTGTATGGGAGAGTTGACTGATGATAAGGGCCCGTGGCCGGCTGG
ATAAACGCCCTGGAAGCGTATCAGAAAACAGGCCAGGAGATTCCTGTCAACGTCCGATTC
TGCCTCGAAGGCATGGAGGAGTCAAGGCTCTGAGGGCTAGACGAGCTGATTTTGGCCGG
AAAGACACATTCTTTAAGGATGTGGACTATGTCTGCATTTCTGACAATTACTGGCTGGGA
AAGAAGAAGCCCTGCATCACCTACGGCCTCAGGGGCATTTGCTACTTTTTCATCGAGGTG
GAGTGCAGCAACAAGACCTCCATTCTGGGGTGTACGGGGCTCGGTGCATGAGGCCATG
ACTGATCTCATTTTGTGATGGGCTCTTTGGTGGACAAGAGGGGGAACATCCTGATCCCC
GGCATTAAACGAGGCCGTGGCCGCGTACGGAAGAGGAGCACAAGCTGTACGACGACATC
GACTTTGACATAGAGGAGTTTGCCAAGGATGTGGGGGCGCAGATCCTCCTGCACAGCCAC
AAGAAAGACATCCTCATGCACCGATGGCGGTACCCGTCTCTGTCCCTCCATGGCATCGAA
GGCGCCTTCTCTGGGTCTGGGGCAAGACCGTGATTCCCAGGAAGGTGGTTGGCAAGTTC
TCCATCAGGCTCGTGCCGAACATGACTCCTGAAGTCGTGCGGAGCAGGTCAAGCTAC
CTAACTAAGAAGTTTGTGAACACGACGCCCAATGAGTTCAAGGTGTACATGGGCCAC
GGTGGGAAGCCCTGGGTCTCCGACTTCACTCACCTCATTACCTGGCTGGGAGAAGAGCC
ATGAAGACAGTTTTTGGTGTGAGCCAGACTTGACCAGGAAGGGCGCAGTATTTCCCGTG
ACCTTGACCTTTTCAAGAGGCCACGGGCAAGAACGTATGCTGCTGCCTGTGGGGTCAAGC
GATGACGGAGCCCACTCCAGAATGAAAAGCTCAACAGGTATAACTACATAGAGGGAACC
AAGATGCTGGCCGCTACCTGTATGAGGTCTCCAGCTGAAGGACTAG

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Clone variation with respect to NM\_018235.2

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_018235 unedited

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GTCTAAAATTTGTATACGACTACTATAGGGCGGCCGGAATTCGCACGAGGCCAGGGCG
ACCGCGGGGGCGGGCCAGCGCCGGGGGTGCTGGCCGGGACACGTGGTACGGAACCGGCC
GCGCTTGTCTGGTAACAGGGCCTTGCTAGTGGGCCTTCCCTCCAGGTGCGCCCTCA
GTCTCCACTAGAGACAGGACTGACCAGTTGCTCTTCCCTCCAAGAACCTCGAGATCTGC
GGTCTGGGGTCTGGTTGAAAGATGGCGGCCCTCACTACCCTGTTAAGTACATAGATGAA
AATCAGGATCGCTACATTAAGAACTCGCAAATGGGTGGCTATCCAGAGTGTGTCTGCG
TGGCCGAGAAGAGAGGGCAAATCAGGAGGATGATGGAAGTTGCTGCTGCAGATGTTAAG
CAGTTGGGGGCTCTGTGGAAGTGGTGGATATCGGAAAACAAAAGCTCCCTGATGGCTCG
GAGATCCCGCTCCCTCCTATTCTGCTCGGCAGGCTGGGCTCCGACCCACAGAAGAAGACC
GTGTGCATTTACGGGCACCTGGATGTGCAGCCTGCAGCCCTGGAGGACGGCTGGGACAGC
GAGCCCTTACCCTGGTGGAGCGAGACGGCAAGCTGTATGGGAGAGGTTGACTGATGAT
AAGGGCCCGNTGGGCCGGCTGGATAAACGCCCTGNAAGCGTATCAGAAAACAGGCCAGG
AGATTCCTGGTCACTCCGATTCTGCCTCGAGGCATGNAGGAGTCAGGCTCCTGAGGCC
ANACGAGCTGATTTTTGCCCGGAAGACACATCTTAAGAAGTGGACCATGTCTGCATTCT
GACAATACTGGCTGGGAAGAAAAGCCCTGATTCCTACGCTAGGGGCATTTGTTACTTT
CTCGGGGGGG

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**Restriction Sites:** NotI-NotI  
**ACCN:** NM\_018235  
**Insert Size:** 2740 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_018235.1</a> , <a href="#">NP_060705.1</a>
<b>RefSeq Size:</b>	2643 bp
<b>RefSeq ORF:</b>	1428 bp
<b>Locus ID:</b>	55748
<b>UniProt ID:</b>	<a href="#">Q96KP4</a>
<b>Cytogenetics:</b>	18q22.3
<b>Domains:</b>	Peptidase_M20
<b>Protein Families:</b>	Protease
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Variants 1, 3, 4, and 5 encode the same isoform. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>