

Product datasheet for **SC320630**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_018235.1
 GCTGGTAAACAGGGCCTTGCCCTAGTGGGCCTTCCTCCAGGTCGCCCTCAGTCTCCACT
 AGAGACAGGACTGACCAGTTGCTCTTCCTTCCAAGAACCTTCGAGATCTGCGGTCTGGG
 TCTGGTTGAAAGATGGCGGCCCTCACTACCCTGTTTAAAGTACATAGATGAAAATCAGGAT
 CGCTACATTAAGAACTCGAAAATGGGTGGCTATCCAGAGTGTGTCTGCGTGGCCGGAG
 AAGAGAGCGGAAATCAGGAGGATGATGGAAGTTGCTGCTGCAGATGTTAAGCAGTTGGG
 GGCTCTGTGGAAGTGGTGGATATCGGAAAACAAAAGCTCCCTGATGGCTCGGAGATCCCG
 CTCCTCTATTCTGCTCGGCAGGCTGGGCTCCGACCCACAGAAGAAGACCGTGTGCATT
 TACGGGCACCTGGATGTGCAGCCTGCAGCCTGGAGGACGGCTGGGACAGCGAGCCCTTC
 ACCCTGGTGGAGCGAGACGGCAAGCTGTATGGGAGAGGTTGACTGATGATAAGGGCCCG
 GTGGCCGGCTGGATAAACGCCCTGGAAGCGTATCAGAAAACAGGCCAGGAGATTCCTGTC
 AACGTCGATTCTGCCTCGAAGGCATGGAGGAGTCAGGCTCTGAGGGCTAGACGAGCTG
 ATTTTTGCCCGGAAAGACACATTCTTTAAGGATGTGGACTATGTCTGCATTTCTGACAA
 TACTGGCTGGGAAAGAAGAAGCCCTGCATCACCTACGGCCTCAGGGGCATTTGCTACTTT
 TTCATCGAGGTGGAGTGCAGCAACAAGACCTCCATTCTGGGGTGTACGGGGCTCGGTG
 CATGAGGCCATGACTGATCTCATTTTGCTGATGGGCTCTTTGGTGACAAGAGGGGGAAC
 ATCCTGATCCCCGGCATTAAACGAGGCCGTGGCCCGCTCACGGAAGAGGAGCACAAGCTG
 TACGACGACATCGACTTTGACATAGAGGAGTTTGCCAAGGATGTGGGGGCGCAGATCCTC
 CTGCACAGCCACAAGAAAGACATCCTCATGCACCGATGGCGGTACCCGCTCTGTCCCTC
 CATGGCATCGAAGGGCCTTCTCTGGGTCTGGGGCCAAGACCGTGATTCCCAGGAAGGTG
 GTTGGCAAGTTCTCCATCAGGCTCGTGCCGAACATGACTCCTGAAGTCGTGCGGAGCAG
 GTCACAAGCTACCTAACTAAGAAGTTTGCTGAACTACGACGCCCAATGAGTTCAAGGTG
 TACATGGGCCACGGTGGGAAGCCCTGGGTCTCCGACTTCAGTACCCTCATTACCTGGCT
 GGGAGAAGAGCCATGAAGACAGTTTTTTGGTGTGAGCCAGACTTGACCAGGGAAGGCGGC
 AGTATTCCTGTGACCTTTGACCTTTCAGGAGGCCAGGGCAAGAAGCTCATGCTGCTGCCT
 GTGGGGTCAAGGATGACGGAGCCCACTCCAGAATGAAAAGCTCAACAGGTATAACTAC
 ATAGAGGGAACCAAGATGCTGGCCGCGTACCTGTATGAGGTCTCCAGCTGAAGGACTAG
 GCCAAGCCCTCTGTGTGCCATCTCCAATGAGAAGGAATCTGCCCTCACCTCACCTTTT
 CCAACTTGCCAGGGAAGTGGAGGTTCCCTCTTTCCCTTCTGTGTCAGGTATCCAT
 GACTTTAGAGAACAGACACAAGTGTATCCAGCTGTCCACGGTGGAGCTACCCGTTGGGC
 TTATGAGTGACCTGGAGTGACAGCTGAGTACCCTGGGTAAAGTTCTCAGAGTGGTCAGGA
 TGGCTTGACCTGCAGAAGATACCCAAGGTCCAAAAGCACAAGGTCTGCGGAAAGTTCTGG
 TTGTCCGGTGGGCAACAGGCTCACACCTATAATCGAGCACTTTGGGAGGCAAGACAGG
 AGGATCACTTGAGGCCAGGAGTCTGAGACAAGCCTAGGCAACAAAACAAGACTCTGTCTC
 TACAAAAGTTTAAAGAAATGAGCCAGACATGGTGGTGTATGCCTGTAGTCCCAGCCACTC
 AGAAGGCTGAGGCAGGAGGATCGCTTGAGACCAAGAGTTTGAGCCTGCGGTGAGCTGTGA
 ATGCACCACGGCACTCAAGCCTGGGCAATGTAGCAAGATCCTGTCTCTACAAGAAATTTT
 TTAATAATGAGCCAAGTGTGGTGGTGCATGCCTGTAGTTCCAGCTACTCAGGACACTGAC
 GTAGGAGGTTGCTTGAGACTGAGAGTTGGAGGCTGCGATGAGCCATGAATGCCCACTG
 CACTCCAGCCTGGGCGACAGAACGAGACCCCATCTCAAAAAAATAAGTTCTGGTTGTCA
 TTGAATTGGGATAAACAGAGAGCTTGTGCTTTCTGCCTTCTGTCTCAGGTGATGCATTG
 CACATTTGGGATATTTGGAAAGGAAATGAGGAAAGAAATAGGGCCTCCTCTGATCTCTC
 GCTATCTGCGGGTCTGTCTTTTCTCAAGACCTTACCATTACTGGTGTCTTCTGTCT
 TCTCTTTAGTATGATCCCTCAAACCTCACTAACTGGAAGGATGATTTTGTCTCAGTTTG
 TACTCCTAAATAAAAAGTAAACATGACACCTCTAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_018235

OTI Disclaimer:	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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">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_018235.1 , NP_060705.1
RefSeq Size:	2643 bp
RefSeq ORF:	1428 bp
Locus ID:	55748
UniProt ID:	Q96KP4
Cytogenetics:	18q22.3
Domains:	Peptidase_M20
Protein Families:	Protease
Gene Summary:	<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>