

Product datasheet for **SC328622**

CNDP2 (NM_001168499) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNDP2 (NM_001168499) Human Untagged Clone
Tag:	Tag Free
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)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001168499, the custom clone sequence may differ by one or more nucleotides ATGGCGCCCTCACTACCCTGTTTAAAGTACATAGATGAAAATCAGGATCGCTACATTAAG AAACTCGCAAAATGGGTGGCTATCCAGAGTGTGTCTGCGTGGCCGAGAAGAGAGGCGAA ATCAGGAGGATGATGGAAGTTGCTGCTGCAGATGTTAAGCAGTTGGGGGCTCTGTGGAA CTGGTGGATATCGGAAAACAAAAGGAGATTCTGTCAACGTCGATTCTGCCTCGAAGGC ATGGAGGAGTCAGGCTCTGAGGGCTAGACGAGCTGATTTTTGCCGGAAGACACATTC TTTAAGGATGTGGACTATGTCTGCATTTCTGACAATTACTGGCTGGGAAAGAAGAAGCCC TGCATCACCTACGGCCTCAGGGCATTGCTACTTTTTTCATCGAGGTGGAGTGCAGCAAC AAAGACCTCCATTCTGGGTGTACGGGGCTCGGTGCATGAGGCCATGACTGATCTCATT TTGCTGATGGGCTCTTTGGTGGACAAGAGGGGAACATCCTGATCCCCGGCATTAAACGAG GCCGTGGCCGCCGTCACGGAAGAGGAGCAAGCTGTACGACGACATCGACTTTGACATA GAGGAGTTTGCAAGGATGTGGGGCGCAGATCCTCCTGCACAGCCACAAGAAAGACATC CTCATGCACCGATGGCGGTACCCGCTCTGTCCCTCCATGGCATCGAAGGCGCCTTCTCT GGGTCTGGGGCAAGACCGTGATCCCAGGAAGGTGGTTGGCAAGTTCTCCATCAGGCTC GTGCCGAACATGACTCCTGAAGTCGTCGGCGAGCAGGTACAAGCTACCTAACTAAGAAG TTTGTGAACTACGCAGCCCAATGAGTTCAAGGTGTACATGGGCCACGGTGGGAAGCCC TGGGTCTCCGACTTCAGTCACCCCTATTACCTGGCTGGGAGAAGGCCATGAAGACAGTT TTTGGTGTGAGCCAGACTTGACCAGGGAAGCGGCAGTATCCCGTGACCTTGACCTTT CAGGAGGCCACGGCAAGAACGTATGCTGCTGCCTGTGGGTGACGGATGACGGAGCC CACTCCCAGAATGAAAAGCTCAACAGGTATAACTACATAGAGGGAACCAAGATGCTGGCC GCGTACCTGTATGAGGTCTCCAGCTGAAGGACTAG
Restriction Sites:	Please inquire
ACCN:	NM_001168499



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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:	<u>NM_001168499.1</u> , <u>NP_001161971.1</u>
RefSeq Size:	4964 bp
RefSeq ORF:	1176 bp
Locus ID:	55748
UniProt ID:	<u>Q96KP4</u>
Cytogenetics:	18q22.3
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 (2) contains a distinct 5' UTR and lacks an in-frame portion of the central coding region, compared to variant 1. The resulting isoform (2) is shorter, compared to isoform 1. 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>