

## Product datasheet for **SC322071**

### CNDP1 (NM\_032649) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CNDP1 (NM_032649) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNDP1
Synonyms:	CN1; CPGL2; HsT2308
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032649, the custom clone sequence may differ by one or more nucleotides

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ATGGATCCCAAACCTCGGGAGAATGGCTGCGTCCCTGCTGGCTGTGCTGCTGCTGCTGCTGGAGCGCGGCA
TGTTCTCCTCACCTCCCCGCCCGGGCTGTTAGAGAAAGTCTTCCAGTACATTGACCTCCATCAGGA
TGAATTTGTGCAGACGCTGAAGGAGTGGGTGGCCATCGAGAGCGACTCTGTCCAGCCTGTGCCTCGCTTC
AGACAAGAGCTTTCAGAATGATGGCCGTGGCTGCGGACACGCTGCAGCGCCTGGGGGCCGTGTGGCT
CGGTGGACATGGGTCTCAGCAGCTGCCGATGGTCAGAGTCTTCCAATACCTCCCGTCATCCTGGCCGA
ACTGGGGAGCGATCCCACGAAAGGCACCGTGTGCTTCTACGGCCACTTGGACGTGCAGCCTGCTGACCGG
GGCGATGGGTGGCTCACGGACCCTATGTGCTGACGGAGGTAGACGGGAACTTTATGGACGAGGAGCGA
CCGACAACAAAGGCCCTGTCTTGCTTGGATCAATGCTGTGAGCGCCTCAGAGCCCTGGAGCAAGATCT
TCCTGTGAATATCAAATTCATCATTGAGGGGATGGAAGAGGCTGGCTCTGTTGCCCTGGAGAACTTGTG
GAAAAAGAAAAGGACCGATTCTTCTCTGGTGTGGACTACATTGTAATTTAGATAACCTGTGGATCAGCC
AAAGGAAGCCAGCAATCACTTACGGAACCCGGGGAAACAGCTACTTCATGGTGGAGGTGAAATGCAGAGA
CCAGGATTTTCACTCAGGAACCTTTGGTGGCATCCTTCATGAACCAATGGCTGATCTGGTTGCTCTTCTC
GGTAGCCTGGTAGACTCGTCTGGTCATATCCTGGTCCCTGGAATCTATGATGAAGTGGTTCTCTTACAG
AAGAGGAAATAAATACATACAAAGCCATCCATCTAGACCTAGAAGAATACCGGAATAGCAGCCGGGTTGA
GAAATTTCTGTTGATACTAAGGAGGAGATTCTAATGCACCTCTGGAGGTACCCATCTCTTCTATTTCAT
GGGATCGAGGGCCGCTTTGATGAGCCTGGAACAAAACAGTCATACCTGGCCGAGTTATAGGAAAATTTT
CAATCCGCTAGTCCCTCACATGAATGTGTCTGCGGTGGAACAAACAGGTGACACGACATCTTGAAGATG
GTTCTCCAAAAGAAATAGTTCCAACAAGATGGTTGTTTCCATGACTCTAGGACTACACCCGTGGATTGCA
AATATTGATGACACCCAGTATCTCGCAGCAAAAAGAGCGATCAGAACAGTGTGGAAACAGAACCAGATA
TGATCCGGGATGGATCCACCATTTCAATTGCCAAAATGTTCCAGGAGATCGTCCACAAGAGCGTGGTGCT
AATTCGCTGGGAGCTGTTGATGATGGAGAACATTCGCAGAATGAGAAAATCAACAGGTGGAACCTACATA
GAGGGAACCAAATTTTCTGCTGCCTTTTCTTAGAGATGGCCAGCTCCATTAA

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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_032649
<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>OTI Annotation:</b>	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.
<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_032649.5</a> , <a href="#">NP_116038.4</a>
<b>RefSeq Size:</b>	2211 bp
<b>RefSeq ORF:</b>	1524 bp
<b>Locus ID:</b>	84735
<b>UniProt ID:</b>	<a href="#">Q96KN2</a>
<b>Cytogenetics:</b>	18q22.3
<b>Domains:</b>	Peptidase_M20
<b>Protein Families:</b>	Protease, Secreted Protein
<b>Protein Pathways:</b>	beta-Alanine metabolism, Histidine metabolism, Metabolic pathways
<b>Gene Summary:</b>	This gene encodes a member of the M20 metalloprotease family. The encoded protein is specifically expressed in the brain, is a homodimeric dipeptidase which was identified as human carnosinase. This gene contains trinucleotide (CTG) repeat length polymorphism in the coding region. [provided by RefSeq, Jul 2008]