

Product datasheet for **MC227881**

Cndp2 (NM_001289531) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Cndp2 (NM_001289531) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Cndp2 |
| Synonyms: | 0610010E05Rik; C76600; Cn2; Dip-2; Pep-1; Pep1 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC227881 representing NM_001289531
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGCCCTCAAAGCTGTCTTCCAGTATATCGATGAAAACCAGGACCGCTACGTCAAGAACTTGCAG
 AATGGGTGGCCATCCAGAGCGTGTCCGCATGGCCGGAGAAGAGAGAGAGATCAGAAGGATGATGGAGGT
 GGCAGCTGCCGATGTCCAGAGGCTGGGGGGCTCCGTGGAAGTGGTGGATATTGGGAAGCAGAAGCTCCCA
 GATGGCTCGGAGATACCACTTCCCTCCATTCTGCTGGCAAGCTAGGCAGCGACCCCCAGAAGAAAACCG
 TGTGCATTTACGGGCACCTGGACGTGCAGCCTGCGGCCCTGGAGGACGGGTGGGACAGCGAGCCCTTAC
 CTTGGTGGAGCGGAAGCAAGCTGTATGGGAGAGGCTCCACGGACGATAAGGGGCCAGTGGCCGGGTGG
 ATGAATGCCCTGGAAGCCTATCAGAAGACTGGTCAGGAGATCCCAGTCAACCTGCGGTTCTGCCTGGAAG
 GCATGGAGGAGTCTGGCTCCGAAGGCCTGGATGAGCTCATTTTTGCCAGAAAGACAAGTTCTTCAAAGA
 TGTGGACTATGTGTGATTTAGACAATTACTGGCTGGGAAGAATAAGCCGTGTATCACGTACGGCCTC
 AGAGGCATCTGTTACTTCTTCATCGAGGTGGAATGCAGTGACAAAAGACCTCCATTCTGGGTATATGGAG
 GCTCAGTGCACGAGGCCATGACGGATCTCATTTCACTGATGGGCTGCCTGGTAGACAAGAAGGGGAAGAT
 CCTCATCCCGGCATCAACGATGCCGTGGCGCCTGTGACGGATGAGGAGCATGCGCTCTACGACCACATT
 GACTTCGATATGGAAGAGTTCGCCAAGGACGTGGGGGCTGAGACCCTTCTGCACAGCTGCAAGAAAGACA
 TCCTGATGCACAGATGGCGATACCCGTCCTCTCCCTGCATGGGATCGAAGGGGCCTTCTCCGGTTCAGG
 GGCCAAGACTGTGATCCCAGAAAGGTGGTCGGCAAGTTCTCCATCAGGCTCGTGCCAGACATGATACCG
 GAAGTTGTTAGCGAGCAAGTTTCAAGCTACTTGTCAAAAAATTTGCTGAACTGCAGAGCCCAACAAGT
 TCAAGGTGTACATGGGCCACGGCGGAAGCCCTGGGTGTCTGACTTCAACCATCCTCATTACCAGCGGG
 GAGAAGAGCCCTGAAGACAGTGTGGTGGTGGCTGACTTGACCAGAGAAGGTGGCAGTATTCTCTGTG
 ACCTTGACCTTTCAAGAGGCCACAGGCAAAAATGTCATGCTATTGCCAGTGGGGTCAAGCAGATGACGGT
 CCCACTCGCAGAAATGAGAAGCTCAACAGGCTCACTACATAGAAGGAACCAAAATGCTGGCTGCATATCT
 GTATGAGGTGTCTCAGCTGAAGAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001289531
- Insert Size:** 1428 bp
- 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:

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_001289531.1](#), [NP_001276460.1](#)

RefSeq Size: 2169 bp

RefSeq ORF: 1428 bp

Locus ID: 66054

UniProt ID: [Q9D1A2](#)

Cytogenetics: 18 E4

Gene Summary: Hydrolyzes a variety of dipeptides including L-carnosine but has a strong preference for Cys-Gly. Catalyzes the production of N-lactoyl-amino acids from lactate and amino acids by reverse proteolysis.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.