

Product datasheet for **MC203664**

Cndp2 (NM_023149) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cndp2 (NM_023149) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cndp2
Synonyms:	0610010E05Rik; C76600; Cn2; Dip-2; Pep-1; Pep1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC005532
 GTGCAGGGACACGTGGTGCAGAACCGGCGAGTTTCCCCGGTCTGAAGTCAGCCTGAAAGATGTCAGCC
 CTCAAAGCTGTCTCCAGTATATCGATGAAAACCAGGACCGCTACGTCAAGAACTTGCAGAATGGGTGG
 CCATCCAGAGCGTGTCCGCATGGCCGAGAGAAGAGAGGAGAGATCAGAAGGATGATGGAGGTGGCAGCTGC
 CGATGTCCAGAGGCTGGGGGCTCCGTGGAAGCTGGTGGATATTGGGAAGCAGAAGCTCCCAGATGGCTCG
 GAGATAACCACTTCTCCATTCTGCTGGCAAGCTAGGCAGCGACCCCAAGAAGAAAACCGTGTGCATTT
 ACGGGCACCTGGACGTGCAGCCTGCGGCCCTGGAGGACGGGTGGGACAGCGAGCCCTTACCTTGGTGGG
 GCGGGAAGGCAAGCTGTATGGGAGAGGCTCCACGGACGATAAAGGGCCAGTGGCCGGGTGGATGAATGCC
 CTGGAAGCCTATCAGAAGACTGGTCAGGAGATCCAGTCAACCTGCGGTTCTGCCTGGAAGGCATGGAGG
 AGTCTGGCTCCGAAGGCCTGGATGAGCTCATTTTTGCCAGAAAGACAAGTTCTTCAAAGATGTGGACTA
 TGTGTGCATTTACAGACAATTACTGGCTGGGGAAGAATAAGCCGTGTATCACGTACGGCCTCAGAGGCATC
 TGTTACTTCTTCATCGAGGTGGAATGCAGTGACAAAGACCTCCATTCTGGGGTATATGGAGGCTCAGTGC
 ACGAGGCCATGACGGATCTATTTCACTGATGGGCTGCCTGGTAGACAAGAAGGGGAAGATCCTCATCCC
 GGGCATCAACGATGCCGTGGCGCCTGTGACGGATGAGGAGCATGCGCTCTACGACCACATTGACTTCGAT
 ATGGAAGAGTTCCCAAGGACGTGGGGCTGAGACCCCTTCTGCACAGCTGCAAGAAGACATCCTGATGC
 ACAGATGGCGATACCCGTCCCTCTCCCTGCATGGGATCGAAGGGCCCTTCTCCGGTTACAGGGCCAAGAC
 TGTGATCCCCAGAAAGGTGGTCGGCAAGTTCTCCATCAGGCTCGTGCCAGACATGATACCGGAAGTTGTT
 AGCGAGCAAGTTTCAAGCTACTTGTCAAAAAATTTGCTGAACTGCAGAGCCCCAACAAGTTCAAGGTGT
 ACATGGGCCACGGCGGGAAGCCCTGGGTGTCTGACTTCAACCATCCTCATTACCAGGCGGGGAGAAGAGC
 CCTGAAGACAGTGTGGTGTGAGCCTGACTTGACCAGAGAAGGTGGCAGTATTCCTGTGACCTTGACC
 TTTCAAGAGGCCACAGGCAAAAATGTCATGCTATTGCCAGTGGGGTCAGCAGATGACGGTGGCCACTCGC
 AGAATGAGAAGCTCAACAGGCTCAACTACATAGAAGGAACCAAAATGCTGGCTGCATATCTGTATGAGGT
 GTCTCAGCTGAAGAAGTGAAGTCTCAGTTTCCCTCGGAGTGTCTTCCCTACCCAGAAACAATCTGCCCT
 CTCTCTTCCAGCTTTCTCGGGAAGTGAAGTTTCTTTTCCCTATCTCTTTCTCAGGTCACAGGCAGA
 CAGGCAAGAATGGAGACATTGCCTCCAGCTGTACCTGTGAGCTGTGTCAGGCAGTTGGAGTGGTCAGT
 CCTGAGACTTACTGGGACAACCTGACTGGCCATGATTGGGGTAGGAGGGTGTCTCAGATGTGGTCAGTG
 TGACTTCACTCCAGGAAGTAGCCAGAGTCCAAAAGCTCCAAGTCTGTGGGAGGACTGCCACCATGGA
 CTGAGGCTCAGGGAATATCCAGGAAGGAAATGAGAGCATCCATTAGCTCCTTGTGCTGTGACAGCACCAT
 GGTGACCCGCTACTGTGCTCTGTATCCCATCTTAAGACCCTAGCTGACCATCACTGGTGTCCCCTCTGT
 TGCTGTCCCCTTGAAGTATCCCAACAGTCCCCATGGAAGCACCAGTCCAGTTGCAGCTACTACTAATAA
 ATGTGACAATGAGCCTCTGGAA
 AA

Restriction Sites: RsrII-NotI

ACCN: NM_023149

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).

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: [BC005532](#), [AAH05532](#)

RefSeq Size: 2152 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 (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.