

## Product datasheet for **RN216718**

### **Odc1 (NM\_001302083) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Odc1 (NM_001302083) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Odc1
Synonyms:	Odc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN216718 representing NM\_001302083  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGCAGCTTTACTAAGGAAGAGTTTGACTGCCATATCCTCGATGAAGTTCCTGCTAAGGACATTC  
 TGGACAAAAAATCAATGAAGTTTCTTCTCTGATGATAAGGATGCTTTCTATGTTGCGGACCTCGGAGA  
 CGTTCTAAAGAAGCATCTGAGGTGGCTGAAAGCTCTTCCCGTGTACTCCCTTCTATGCTGCAAGTGT  
 AATGACAGCAGAGCCATAGTGAGCACCTGGTGCCATTGGGACAGGATTTGATTGTGCAAGCAAGACTG  
 AAATACAGTTGGTGCAGGGGCTTGGGTGCCTCCAGAGAGGATTATCTATGCAAATCCTTGAAGCAAGT  
 GTCTCAGATCAAGTATGCTGCCAGTAATGGAGTCCAGATGATGACTTTTGACAGTGAAATGAGTTGATG  
 AAAGTTGCCAGAGCACATCAAAGGCAAAGTTGGTTTTGCGGATTGCCACTGATGATTCAAAGCAGTTT  
 GTCGGCTCAGTGTTAAGTTTGGTCCACACTGAAAACCAGCAGGCTTCTTGGAACGGGCAAAGAGCT  
 AAATATTGATGTCATTGGTGTGAGTCCATGTGGCAGTGGGTGACTGACCCTGAGACCTTCGTGCAG  
 GCAGTGTGAGATGCCCGCTGTGTCTTTGACATGGGAACAGAAGTTGGTTTCAGCATGTATCTGCTTGACA  
 TTGGTGGTGGCTTCTGGGTCTGAAGACACGAAGCTTAAATTTGAGGAGATCACCAGTGTAAATCAACCC  
 AGCTCTGGACAAGTACTTCCCATCGGACTCTGGAGTGAGAATCATAGCTGAGCCAGGCAGATACTACGTC  
 GCATCAGCTTTCACACTGCAAGTGAATATCATTGCCAAAAAACCGTGTGGAAGGAGCAGACCGGCTCGG  
 ACGATGAAGATGAGTCAAACGAGCAAATTTGATGTATTACGTGAATGATGGAGTGTATGGGTCATTTAA  
 CTGCATTTCTTATGACCATGCACATGTGAAGCCCTGCTGCAGAAGAGACCCAAGCCAGATGAGAAGTAT  
 TACTCATCCAGCATCTGGGGACCAACATGTGATGGCCTTGATCGGATCGTCGAGCGCTGTAGCCTGCCTG  
 AAATGCATGTGGGTGATTGGATGCTGTTTGAGAACATGGGTGCATACACTGTTGCTGCTCTACTTT  
 CAATGGGTTCCAGAGGCCAAACATCTACTACGTAAATGTACGGTCAATGTGGCAACTCATGAAGCAAATC  
 CAGAGCCATGGCTTCCCGCCAGAAGTGGAGGAGCAGGATGTTGGCACTCTGCCATGTCTTGTGCCCAGG  
 AGAGCGGGATGGACCGTACCCTGCAGCCTGTGCTTCTGCTAGTATCAATGTATAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001302083
- Insert Size:** 1386 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\\_001302083.1](#), [NP\\_001289012.1](#)

**RefSeq Size:** 2393 bp

**RefSeq ORF:** 1386 bp

**Locus ID:** 24609

**UniProt ID:** [P09057](#)

**Cytogenetics:** 6q16

**Gene Summary:** catalyzes the conversion of L-ornithine to putrescine [RGD, Feb 2006]  
Transcript Variant: This variant (2) has two alternate splice sites in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.