

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
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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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
 AAAGTTGCCAGAGCACATCCAAAGGCAAAGTTGGTTTTGCGGATTGCCACTGATGATTCCAAAGCAGTTT
 GTCGGCTCAGTGTTAAGTTTGGTCCCACTGAAAACCAGCAGGCTTCTCTTGAACGGGCAAAGAGCT
 AAATATTGATGTCATTGGTGTGAGTCCATGTGGCAGTGGGTGACTGACCCTGAGACCTTCGTGCAG
 GCAGTGTGAGATGCCCGCTGTGTCTTTGACATGGGAACAGAAGTTGGTTTCAGCATGTATCTGCTTGACA
 TTGGTGGTGGCTTCTGGGTCTGAAGACAGAAAGCTTAAATTTGAGGAGATCACCAAGTGAATCAACCC
 AGCTCTGGACAAGTACTTCCCATCGGACTCTGGAGTGAGAATCATAGCTGAGCCAGGCAGATACTACGTC
 GCATCAGCTTTCACACTGCAAGTGAATATCATTGCCAAAAAACCGTGTGGAAGGAGCAGACCGGCTCGG
 ACGATGAAGATGAGTCAAACGAGCAAACCTTTGATGTATTACGTGAATGATGGAGTGTATGGGTCATTTAA
 CTGCATTTCTTATGACCATGCACATGTGAAGCCCTGCTGCAGAAGAGACCAAGCCAGATGAGAAGTAT
 TACTCATCCAGCATCTGGGACCAACATGTGATGGCCTTGATCGGATCGTCGAGCGCTGTAGCCTGCCTG
 AAATGCATGTGGGTGATTGGATGCTGTTGAGAACATGGGTGCATACACTGTTGCTGCTCTACTTT
 CAATGGGTTCCAGAGGCCAAACATCTACTACGTAAATGTACGGTCAATGTGGCAACTCATGAAGCAAATC
 CAGAGCCATGGCTTCCCGCCAGAAGTGGAGGAGCAGGATGTTGGCACTCTGCCATGTCTTTGCCCCAGG
 AGAGCGGGATGGACCGTACCCTGCAGCCTGTGCTTCTGCTAGTATCAATGTATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 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.