

## Product datasheet for **RN205687**

### Odc1 (NM\_012615) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Odc1 (NM_012615) 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:** >RN205687 representing NM\_012615  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGCAGCTTTACTAAGGAAGAGTTTGACTGCCATATCCTCGATGAAGTTTCACTGCTAAGGACATTC  
 TGGACCAAAAAATCAATGAAGTTTCTTCTCTGATGATAAGGATGCTTTCTATGTTGCGGACCTCGGAGA  
 CGTTCTAAAGAAGCATCTGAGGTGGCTGAAAGCTTCCCCGTGTTACTCCCTTCTATGCTGCAAGTGT  
 AATGACAGCAGAGCCATAGTGAGCACCTGGTGCCATTGGGACAGGATTTGATTGTGCAAGCAAGACTG  
 AAATACAGTTGGTGCAGGGGCTTGGGTGCCTCCAGAGAGGATTATCTATGCAAATCCTTGAAGCAAGT  
 GTCTCAGATCAAGTATGCTGCCAGTAATGGAGTCCAGATGATGACTTTTGACAGTGAATGAGTTGATG  
 AAAGTTGCCAGAGCACATCCAAAGGCAAAGTTGGTTTTGCGGATTGCCACTGATGATTCCAAAGCAGTTT  
 GTCGGCTCAGTGTTAAGTTTGGTCCCACTGAAAACCAGCAGGCTTCTTGGAAACGGGCAAAGAGCT  
 AAATATTGATGTCATTGGTGTGAGCTTCCATGTGGCAGTGGGTGTACTGACCCTGAGACCTTCGTGCAG  
 GCAGTGTGAGATGCCCGCTGTGTCTTTGACATGGGAACAGAAGTTGGTTTCAGCATGTATCTGCTTGACA  
 TTGGTGGTGGCTTCTGGGTCTGAAGACACGAAGCTTAAATTTGAGGAGATCACCAGTGTAAATCAACCC  
 AGCTCTGGACAAGTACTTCCCATCGGACTCTGGAGTGAGAATCATAGCTGAGCCAGGCAGATACTACGTC  
 GCATCAGCTTTCACACTGCAAGTGAATATCATTGCCAAAAAACCGTGTGGAAGGAGCAGACCGGCTCGG  
 ACGATGAAGATGAGTCAAACGAGCAAACCTTGTGATGATTACGTGAATGATGGAGTGTATGGGTCAATTA  
 CTGCATTCTTTATGACCATGCACATGTGAAGCCCTGCTGCAGAAGAGACCAAGCCAGATGAGAAGTAT  
 TACTCATCCAGCATCTGGGGACCAACATGTGATGGCCTTGATCGGATCGTCGAGCGCTGTAGCCTGCCTG  
 AAATGCATGTGGGTGATTGGATGCTGTTTGAGAACATGGGTGCATACACTGTTGCTGCTTCTACTTT  
 CAATGGGTTCCAGAGGCCAAACATCTACTACGTAAATGTCACGGTCAATGTGGCAACTCATGAAGCAAATC  
 CAGAGCCATGGCTTCCCGCCAGAAGTGGAGGAGCAGGATGTTGGCACTCTGCCATGTCTTGTGCCAGG  
 AGAGCGGGATGGACCGTACCCTGCAGCCTGTGCTTCTGCTAGTATCAATGTATAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_012615
- 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).
- 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\\_012615.3](#), [NP\\_036747.1](#)  
RefSeq Size: 2423 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 (1) represents the longer transcript. Variants 1 and 2 encode the same protein.