

## Product datasheet for **RR205687**

### Odc1 (NM\_012615) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Odc1 (NM_012615) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Odc1
Synonyms:	Odc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR205687 representing NM\_012615  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGCAGCTTTACTAAGGAAGAGTTTGACTGCCATATCCTCGATGAAGTTTCACTGCTAAGGACATTC  
 TGGACCAAAAAATCAATGAAGTTTCTTCTCTGATGATAAGGATGCTTTCTATGTTGCGGACCTCGGAGA  
 CGTTCTAAAGAAGCATCTGAGGTGGCTGAAAGCTCTTCCCGTGTACTCCCTTCTATGCTGCAAGTGT  
 AATGACAGCAGAGCCATAGTGAGCACCTGGTGCCATTGGGACAGGATTTGATTGTGCAAGCAAGACTG  
 AAATACAGTTGGTGCAGGGGCTTGGGTGCCTCCAGAGAGGATTATCTATGCAAACTCTGTAAGCAAGT  
 GTCTCAGATCAAGTATGCTGCCAGTAATGGAGTCCAGATGATGACTTTTGACAGTGAAATGAGTTGATG  
 AAAGTTGCCAGAGCACATCCAAAGGCAAAGTTGGTTTTGCGGATTGCCACTGATGATTCCAAAGCAGTTT  
 GTCGGCTCAGTGTTAAGTTTGGTCCACACTGAAAACCAGCAGGCTTCTCTTGAACGGGCAAAAGAGCT  
 AAATATTGATGTCATTGGTGTGAGTCCATGTGGCAGTGGGTGACTGACCCTGAGACCTTCGTGCAG  
 GCAGTGTGAGATGCCCGCTGTGTCTTTGACATGGGAACAGAAGTTGGTTTCAGCATGTATCTGCTTGACA  
 TTGGTGGTGGCTTCTGGGTCTGAAGACACGAAGCTTAAATTTGAGGAGATCACCAAGTGAATCAACCC  
 AGCTCTGGACAAGTACTTCCCATCGGACTCTGGAGTGAGAATCATAGCTGAGCCAGGCAGATACTACGTC  
 GCATCAGCTTTCACACTGCAAGTGAATATCATTGCCAAAAAACCGTGTGGAAGGAGCAGACCGGCTCGG  
 ACGATGAAGATGAGTCAAACGAGCAAATTTGATGTATTACGTGAATGATGGAGTGTATGGGTCAATTA  
 CTGCATTTCTTATGACCATGCACATGTGAAGCCCTGCTGCAGAAGAGACCAAGCCAGATGAGAAGTAT  
 TACTCATCCAGCATCTGGGGACCAACATGTGATGGCCTTGATCGGATCGTCGAGCGCTGTAGCCTGCCTG  
 AAATGCATGTGGGTGATTGGATGCTGTTTGAGAACATGGGTGCATACACTGTTGCTGCTTACTACTT  
 CAATGGGTTCCAGAGGCCAAACATCTACTACGTAAATGTCACGGTCAATGTGGCAACTCATGAAGCAAATC  
 CAGAGCCATGGCTTCCCGCCAGAAGTGGAGGAGCAGGATGTTGGCACTCTGCCATGTCTTGTGCCCAGG  
 AGAGCGGGATGGACCGTACCCTGCAGCCTGTGCTTCTGCTAGTATCAATGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR205687 representing NM\_012615  
 Red=Cloning site Green=Tags(s)

MGSFTKEEFDCHILDEGFTAKDILDQKINEVSSDDKDAFYVADLGDVLLKHLRWLALPRVTPFYAVKC  
 NDSRAIVSTLAAIGTGDFDASKTEIQLVQGLGVPPERIIYANPCKQVSQIKYAASNGVQMMTFDSEIELM  
 KVARAHPKAKLVLRIATDDSKAVCRLSVKFGATLKTSLRLLERAKELNIDVIGVSFHVSGCTDPETFVQ  
 AVSDARCVFDMGTEVGFVSMYLLDIGGGFPGSEDTLKFEEITSVINPALDKYFSPDSGVRIIAEPGRYYV  
 ASAFITLAVNIIAKKTVWKEQTGSDDDESNQTLMYVNDGVYGSFNCILYDHAHVKALLQKRPKPDEKY  
 YSSSIWGPTCDGLDRIVERCSLPEMHVGDWMLFENMGAYTAAAASFNGFQRPNIYYVMSRSMWQLMKQI  
 QSHGFPEVEEQDVGTLPMSCAQESGMDRHPAACASASINV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

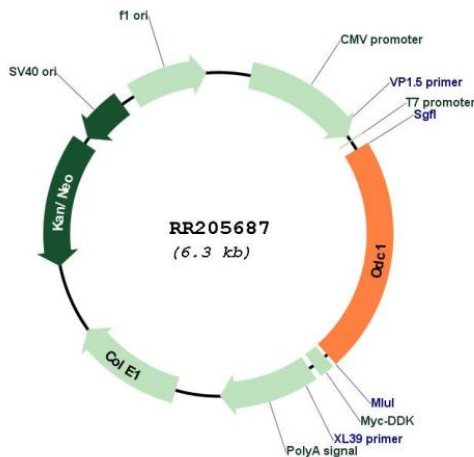
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_012615

ORF Size: 1383 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

**MW:** 51 kDa

**Gene Summary:** catalyzes the conversion of L-ornithine to putrescine [RGD, Feb 2006]