

Product datasheet for **MC203159**

Odc1 (NM_013614) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Odc1 (NM_013614) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Odc1
Synonyms:	ODC
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC033264
 CCGCCACCCGCGCCGCTCAGCCAGCAGCTCGGCGCCACCTCCGGTCGGCGTCTGCGCGGGCTCGAC
 GAGGCGGCTGACGGGGCGGCGGGCGGGCGGACGGACGGACGGACGGGCGCTCCTCGGGTTTG
 CGGCGGCGCTCCATGGTTCAGGCCAGCCGGGCCACCGTGTGTGAGTGTTCACCACTCCAAGAAGGC
 AGCATTGAGATTCTTGGCTAAGTCGACCTGTGAGGAGCTGGTATAATTTGATCCATCTCCAGGTT
 CCTGTAAGCACATCGAGAACCATGAGCAGCTTTACTAAGGACGAGTTTGACTGCCACATCCTTGATGAAG
 GCTTTACTGCTAAGGACATTCTGGACCAAAAAATCAATGAAGTCTTCCCTCTGACGATAAGGATGCGTT
 CTATGTTGCGGACCTCGGAGACATTCTAAAGAAGCATCTGAGGTGGCTAAAAGCTTTCCCGCGTCACT
 CCCTTTTACGCAGTCAAGTGTAACGATAGCAGAGCCATAGTGAGCACCTAGCTGCCATTGGGACAGGAT
 TTGACTGTGCAAGCAAGACTGAAATACAGTTGGTGCAGGGGCTTGGGGTGCCTGCAGAGAGGGTTATCTA
 TGCAAATCCTTGTAAACAAGTCTCTCAAATCAAGTATGCTGCCAGTAACGGAGTCCAGATGATGACTTTT
 GACAGTGAATTTGAATTGATGAAAGTCGCCAGAGCACATCCAAGGCAAAGTTGGTTCTACGGATTGCCA
 CTGATGATTTCAAAGCTGTCTGCGCTCAGTGTAAAGTTGGTGCCACACTCAAACCAGCAGGCTTCT
 CTTGGAACGGGCAAAGAGCTAAATATTGACGTCATTGGTGTGAGCTTCCATGTGGGCGATGGATGACT
 GATCCTGAGACCTTCGTTCCAGGCAGTGCAGATGCCCGTTGTGTGTTGACATGGCAACAGAAGTTGGTT
 TCAGCATGCATCTGCTTGATATTGGTGGTGGCTTCTCGGATCTGAAGATACAAAGCTTAAATTTGAAGA
 GATCACCAGTGAATCAACCCAGCTCTGGACAAGTACTTCCCATCAGACTCTGGAGTGAGAAATCATAGCT
 GAGCCAGGCAGATACTATGTCGCATCAGCTTTCACGCTTGCAAGTCAACATCATTGCCAAAAAACCGTGT
 GGAAGGAGCAGCCCGGCTCTGATGATGAAGATGAGTCAAATGAGCAAACCTTCATGTATTATGTGAATGA
 TGGAGTATATGGATCATTTAACTGCATTCTTTATGATCATGCCCATGTGAAGGCCCTGCTGCAGAAGAGA
 CCCAAGCCAGACGAGAAGTATTACTCATCCAGCATCTGGGGACCAACATGTGATGGCCTTGATCGGATTG
 TGGAGCGCTGTAACCTGCCTGAAATGCATGTGGGTGATTGGATGCTGTTGAGAACATGGGTGCATACAC
 CGTTGCTGCTTCTACTTTCAATGGTTCCAGAGGCCAAACATCTACTATGTAATGTCACGGCCAATG
 TGGCAACTCATGAAACAGATCCAGAGCCATGGCTTCCCGCGGAGGTGGAGGAGCAGGATGATGGCACGC
 TGCCCATGCTTGTGCCAGGAGAGCGGGATGGACCGTCAACCCTGCAGCCTGCTTCTGCTAGGATCAATG
 TGTAGATGCCATTCTGTAGCTCTTGCCTGCAAGTTTAGCTTGTGTTAAGGCATTTGGGGGACCATTTA
 ACTTACTGCTAGTTTGGGATGTCTTTGTGAGAGTAGGGTTGGCACCAATGCAGTATGGAAGGCTAGGAGA
 TGGGGGTACACTTACTGTGTTCTATGGAACTTTGAATTTGTATTACATGGATTTTTATTCACTT
 TTCAGACATGATACTAACGTGTGCCCTCAGCTGCTGAGCAAGCGTTTGTAGCTTGTACATTGGCAGAAT
 GGGCCAGAAGCTTATGTTGTGACCCATTGTGAAAATAAAGTATCTGAAATAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_013614

Insert Size: 1371 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: [BC033264](#), [AAH33264](#)

RefSeq Size: 2028 bp

RefSeq ORF: 1371 bp

Locus ID: 18263

UniProt ID: [P00860](#)

Cytogenetics: 12 8.11 cM

Gene Summary: Catalyzes the first and rate-limiting step of polyamine biosynthesis that converts ornithine into putrescine, which is the precursor for the polyamines, spermidine and spermine. Polyamines are essential for cell proliferation and are implicated in cellular processes, ranging from DNA replication to apoptosis.[UniProtKB/Swiss-Prot Function]