

## Product datasheet for **MC216623**

### **Ddc (NM\_016672) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ddc (NM_016672) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ddc
Synonyms:	Aadc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216623 representing NM\_016672  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGATCCCCTGAATCCGGAGGAGAGGCAAGGAGATGGTGGATTATATAGCTGACTATCTGGATGGCA  
TTGAGGGTCGTCCAGTGTACCCTGATGTGGAGCCTGGCTATCTTCGGCCCTGATCCCTGCCACTGCCCC  
CCAGGAGCCAGAAACATACGAGGACATAATCAAAGACATCGAGAAGATAATCATGCCAGGGTGACACAC  
TGGCAGTCCCTATTTCTCGCTTACTTCCCCACGGCTAGCTCATACCCAGCTATGCTTGCAGACATGC  
TGTGTGGTGTATTGGCTGCATTGGTTTCTCCTGGGCTGCAAGCCAGCGTGCACAGAGCTGGAGACCGT  
GATGATGGACTGGCTGGGAAGATGCTGGAGCTGCCAGAGGCCTTTTGGCTGGAAGAGCTGGGAAGGG  
GGAGGAGTGATCCAGGAAGTCCAGTGAAGCCACCTTGGTGGCCCTACTGGCTGCTCGGACTAAAGTTA  
TCCGCCAGCTGCAGGCAGCCTCCCAGAGTTCACACAAGCTGCTATCATGAAAAGCTGGTTGCTTACAC  
ATCTGATCAGGCCATTCTCTGTAGAAGAGCTGGGTTAATTGGTGAATAAAGCTAAAAGCAGTCCCT  
TCGGATGGCAACTTTCCATGAGAGCTTCTGCCCTTCGGGAAGCCCTGGAGCGGGACAAGGCAGCTGGCC  
TGATCCATTCTTTGTGGTTCGCTACACTGGGGACCACATCCTGCTGTTCTTTTGACAATCTCCTGGAAAT  
GGTCCCCTGCAACCAGGAGGGTGTGTGGTGCACATTGACGCTGCTTACGCGGGCAGTGCCTTTATC  
TGTCTGAATCCGGTATCTTCTGAATGGTGTGGAGTTTGAGATTCTTTAACTTTAATCCCCACAAGT  
GGCTTTTGGTGAATTTGACTGCTCTGCCATGTGGGTGAAGAGGAGGACTGACTTAACCGGAGCCTTTAA  
TATGGACCCTGTTATCTAAAGCACAGTACCAGGACTCAGGATTCATCACTGACTACAGGCACTGGCAG  
ATCCCAGTGGGGCAGCAGTTCGCTCTTTGAAAATGTGGTTTGTTTTGAATGTACGGAGTCAAGGGGC  
TGCAGGCTTACATCCGAAAGCAGTGGAGCTGTCTCATGAGTTTGAGTCACTGGTACGCCAGGACCCTCG  
CTTTGAAATTTGCACAGAAGTCATTCTTGGGTTGGTCTGCTTCCGGCTAAAGGGCTCCAATGAGTTGAAC  
GAAACTCTTTACAAAGAATAAACAGCGCCAAAAAATCCAATTGGTTCCATGTCGCTCTCCGAGACAAGT  
TTGTGCTACGCTTTGCTGTGTGCGCTCGCACTGTGGAGTCTGCCACGTGCAGCTGGCCTGGGAACACAT  
CAGTGATCTAGCAAGCAGTGTGCTGAGGGCAGAGAAAGAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_016672

**Insert Size:** 1443 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\\_016672.4, NP\\_057881.1](#)

RefSeq Size: 1967 bp

RefSeq ORF: 1443 bp

Locus ID: 13195

UniProt ID: [O88533](#)

Cytogenetics: 11 7.09 cM

**Gene Summary:** Catalyzes the decarboxylation of L-3,4-dihydroxyphenylalanine (DOPA) to dopamine, L-5-hydroxytryptophan to serotonin and L-tryptophan to tryptamine.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.