

Product datasheet for **MC216622**

Ddc (NM_001190448) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddc (NM_001190448) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ddc
Synonyms:	Aadc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216622 representing NM_001190448
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATCCCCTGAATCCGGAGGAGAGGCAAGGAGATGGTGGATTATATAGCTGACTATCTGGATGGCA
 TTGAGGGTCGTCCAGTGTACCCTGATGTGGAGCCTGGCTATCTTCGGCCCTGATCCCTGCCACTGCCCC
 CCAGGAGCCAGAAACATACGAGGACATAATCAAAGACATCGAGAAGATAATCATGCCAGGGGTGACACAC
 TGGCACAGTCCCTATTTCTCGCTTACTTCCCCACGGCTAGCTCATACCCAGCTATGCTTGACAGACATGC
 TGTGTGGTGTATTGGCTGCATTGGTTTCTCCTGGGCTGCAAGCCAGCGTGCACAGAGCTGGAGACCGT
 GATGATGGACTGGCTGGGAAGATGCTGGAGCTGCCAGAGGCCTTTTGGCTGGAAGAGCTGGGGAAGGG
 GGAGGAGTGATCCAGGAAGTCCAGTGAAGCCACCTTGGTGGCCCTACTGGCTGCTCGGACTAAAGTTA
 TCCGCCAGCTGCAGGCAGCCTCCCAGAGTTCACACAAGCTGCTATCATGAAAAGCTGGTTGCTTACAC
 ATCTGATCAGGCCATTCTCTGTAGAAGAGCTGGGTTAATTGGTGAATAAAGCTAAAAGCAGTCCCT
 TCGGATGGCAACTTTTCCATGAGAGCTTCTGCCCTTCGGGAAGCCCTGGAGCGGGACAAGGCAGCTGGCC
 TGATCCATTCTTTGTGGTGCCTACACTGGGGACCACATCCTGCTGTTCTTTTGACAATCTCCTGGAAAT
 GGGTCCCATCTGCAACCAGGAGGGTGTGTGGTGCACATTGACGCTGCTTACGCGGGCAGTGCCTTTATC
 TGTCTGAATCCGGTATCTTCTGAATGGTGTGGAGTTTGAGATTCTTTAACTTTAATCCCCACAAGT
 GGCTTTTGGTGAATTTGACTGCTCTGCCATGTGGGTGAAGAGGAGGACTGACTTAACCGGAGCCTTTAA
 TATGGACCCTGTTTATCTAAAGCACAGTACCAGGACTCAGGATTCATCACTGACTACAGGCACTGGCAG
 ATCCCAGTGGGGCGACGATTTTCGCTCTTTGAAAATGTGGTTTGTTTTGAATGTACGGAGTCAAGGGGC
 TGCAGGCTTACATCCGAAAGCACGTGGAGCTGTCTCATGATTTGAGTCACTGGTACGCCAGGACCTCG
 CTTTGAATTTGCACAGAAGTCATTCTTGGGTTGGTCTGCTTCCGGCTAAAGGGCTCCAATGAGTTGAAC
 GAAACTCTTTACAAAGAATAAACAGCGCCAAAAAATCCAATTGGTTCCATGTCGCTCTCCGAGACAAGT
 TTGTGCTACGCTTTGCTGTGTGCGCTCGCACTGTGGAGTCTGCCACGTGCAGCTGGCCTGGGAACACAT
 CAGTGATCTAGCAAGCAGTGTGCTGAGGGCAGAGAAAGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2050_d08.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001190448

Insert Size: 1443 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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:	<ol style="list-style-type: none">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:	<u>NM_001190448.1, NP_001177377.1</u>
RefSeq Size:	2018 bp
RefSeq ORF:	1443 bp
Locus ID:	13195
UniProt ID:	<u>O88533</u>
Cytogenetics:	11 7.09 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>