

## Product datasheet for **MC216443**

### **Drd5 (NM\_013503) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Drd5 (NM_013503) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Drd5
Synonyms:	D5R; Drd-5; Drd1b; Gpcr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC216443 representing NM\_013503  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTGCCTCCTGGGCGCAATGGCACCGCACATCGGGCGGGCTGGGGTTGCAGAGGCAACTGGCGCAGG  
 TGGACGCCCCCGGGGCTCAGCAGCCCCACTGGGACCCGCGCAGGTGGTCACCGCTGGCCTCCTGACTCT  
 CTTAATCGTCTGGACCTTCTCGCAACGTCCTAGTGTGTGCTGCTATCGTCCGAGCCGCCACCTGCGC  
 GCCAAAATGACCAACATCTTCATCGTATCTCTGGCCGTCTCAGACCTCTTCGTGGCATTGCTGGTCATGC  
 CTTGGAAGGCCGTGGCTGAGGTGGCCGGTACTGGCCCTTTGGGGCATTCTGCGACATCTGGGTGGCCTT  
 TGACATCATGTGCTCCACTGCTCCATCCTGAATCTGTGTATCATCAGCGTGGACCGGACTGGGCTATT  
 TCCAGACCCTCCGCTACGAGCGCAAGATGACCCAGCGTGTAGCCCTGGTCATGGTGGCCCTGGCCTGGA  
 CCTTGCCATCCTCATCTCCTTTATCCCGTCCAACCAATTGGCACAGAGACAAGGCAGGCTCCCAGGG  
 CCGAGAGGGCCTGCTGTCCAATGAGACACCTGGGAGGAAGTTGGGAGCTAGACGGGAGAACAGAGAAC  
 TGTGACTCCAGCCTGAACCGAACCTACGCCATCTCCTCGTCGCTCATCAGCTTCTATATCCCGGTAGCCA  
 TCATGATAGTGACCTACACGCGCATCTACCGCATTGCACAGGTTGAGATCCGCCGTATCTCTCCCTAGA  
 AAGGGCAGCTGAGCATGCTCAGAGTTGCCGGAGCCGTGGGGCCTGCGAACCTGACCCAGCCTGCGAGCA  
 TCCATCAAGAAGGAGACCAAGGTCTTCAAACCCTGTCCGTGATCATGGGGTCTTCGTGTGCTGCTGGT  
 TGCCTTTCTTCATCCTGAACTGTATGGTTCCCTTCTGCAGCAGTGGAGATGCCAGGGCCCAAGGACTGG  
 CTTCCCTGTGTGTCAGCGAGACCCTTCGACATATTCGTCTGGTTGGCTGGGCAACTCCTCTCTCAAC  
 CCCATCATCTATGCCTTTAATGCAGACTCCGGAAGGTGTTGCCAGCTGCTGGGTGCAGCCACCTCT  
 GCTCCGGACCCCGTGCAGACGTAACATCAGTAATGAACTATTTCCCTACAACCAAGACACGGTCTT  
 CCACAGGAGATCGCTGCTGCCTATGTCCACATGATCCCAAATGCGGTGCTCCTCCGGAGACAGGGAGGTG  
 GGAGAGGAGGAGGGCGGAGGAGGGGCTTTTCGATCACATGCTCAAACTCTCTCAACGACCCAG  
 ATGGTGACCTGGCTGCTGAGTCTGTCTGGGAGCTTACTGTGAGGAGGAGTTTCCTTAGGCAAAAATCTC  
 ACCACTACCCCCAATTGTTCCATAAACTGCT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2772\\_a03.zip](https://cdn.origene.com/chromatograms/ja2772_a03.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_013503

**Insert Size:** 1437 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](mailto: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](#)

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_013503.3</a></u> , <u><a href="#">NP_038531.1</a></u>
<b>RefSeq Size:</b>	2802 bp
<b>RefSeq ORF:</b>	1437 bp
<b>Locus ID:</b>	13492
<b>UniProt ID:</b>	<u><a href="#">Q8BLD9</a></u>
<b>Cytogenetics:</b>	5 20.4 cM
<b>Gene Summary:</b>	Dopamine receptor whose activity is mediated by G proteins which activate adenylyl cyclase. [UniProtKB/Swiss-Prot Function]