

Product datasheet for **RN203152**

Drd5 (NM_012768) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Drd5 (NM_012768) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Drd5
Synonyms:	D1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN203152 representing NM_012768
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGCCTCCTGGGCGCAACCGCACGGCTCAACCGCAAGGCTGGGATTACAGAGGCAACTGGCTCAGG
 TGGACGCCCCAGCGGGCTCTGCAACCCCACTGGGACCCGCGCAGGTGGTACCAGCAGGCCTCTGACTCT
 CCTAATCGTCTGGACCTTCTCGGGAACGTGCTAGTGTGTGCTGCCATCGTCCGAGCCGCCATCTGCGC
 GCCAAGATGACCAACATCTTCATCGTATCCCTAGCTGTCTCAGACCTCTTCGTGGCATTGCTGGTCATGC
 CCTGGAAGGCTGTGGCTGAGGTGGCTGGTACTGGCCCTTTGGGACATTCTGCGACATCTGGGTGGCCTT
 TGACATCATGTGCTCCACTGCCTCCATCCTGAATCTGTGTATCATCAGCGTGGACCGTTACTGGGCTATT
 TCCAGACCCTCCGCTACGAGCGCAAGATGACCCAGCGAGTAGCCCTGGTATGGTGGGCTGGCCTGGA
 CCTTGCCATCCTCATCTCCTTCATCCCGTCCAACCTCAATTGGCACAGAGACAAGGCAGGCTCCCAGGG
 CCAAGAGGGCCTGCTGTCCAATGGGACACCTGGGAGGAAGGCTGGGAGCTAGAAGGGAGGACGGAGAAC
 TGTGACTCCAGCCTGAACCGAACCTATGCCATCTCCTCGTCACTCATCAGCTTCTACATCCCGGTGGCCA
 TCATGATCGTGACCTATACGCGTATCTACCGCATTGCGCAGGTGCAGATCCGGCGGATCTCCTCCCTAGA
 GAGGGCAGCTGAGCATGCTCAGAGTTGCCGGAGTCGTGGAGCCTATGAACCTGACCCAGCCTGCGAGCG
 TCCATCAAGAAGGAGACCAAGGTCTTCAAACCCCTGTCAATGATCATGGGGTCTTCGTGTGTTGCTGGT
 TGCCTTTCTTCATCCTGAACTGTATGGTTCCTTCTGAGTAGTGGGGATGCCGAGGGCCCAAAGACTGG
 CTTCCCTGTGTGACGAGACACCTTCGACATATTCGCTGGTTTGGCTGGGCAACTCCTCTCTCAAT
 CCCATCATCTATGCCTTTAATGCAGACTCCGGAAGGTGTTGCCAGCTGTGGGTGCAGCCACTTCT
 GCTTCCGGACCCAGTGCAGACGTAACATCAGTAATGAGCTCATCTCCTACAACCAAGACACGGTCTT
 CCACAAGGAGATCGCTACTGCCTATGTCCACATGATACCGAATGCAGTATCCTCCGGAGACAGGGAGGTG
 GGAGAGGAGGAGGAGGGGCCTTTCGATCACATGTCTCAAATCTCTCAACGACGCCAGCGGTGACC
 TGGCTGTGAGTCTGTCTGGGAGCTTACTGTGAGGAAGAGGTTTCTTAGGCAAATCTCACCTCTCAC
 CCCCAATTGTTTCGATAAACTGCT**TAG**

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1622_a02.zip

Restriction Sites: SgfI-RsrII

ACCN: NM_012768

Insert Size: 1428 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.

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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_012768.1</u> , <u>NP_036900.1</u>
RefSeq Size:	1428 bp
RefSeq ORF:	1428 bp
Locus ID:	25195
UniProt ID:	<u>P25115</u>
Cytogenetics:	14q21
Gene Summary:	dopamine receptor; may play a role in stimulation of adenylyl cyclase, activation of phospholipase C, and phosphatidylinositol phosphate metabolism in the central nervous system [RGD, Feb 2006]