

## Product datasheet for **RN202421**

### **Drd1 (NM\_012546) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Drd1 (NM_012546) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Drd1
Synonyms:	D1a; Drd-1; Drd1a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN202421 representing NM\_012546  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCCTAACACTTCTACCATGGATGAGGCCGGCTGCCAGCGGAGAGGGATTCTCCTTTTCGCATCC  
 TCACGGCCTGTTTCCTGTCACTGCTCATCCTGTCCACTCTCCTGGGCAATACCCTTGTCTGTGCGGCCGT  
 CATCCGGTTTCGACACCTGAGGTCCAAGGTGACCAACTCTTTTGTATCTCTTTAGCTGTGTGAGATCTC  
 TTGGTGGCTGTCTGGTATGCCCTGGAAAGCTGTGGCCGAGATTGCTGGCTTTTGGCCTTTGGGTCCCT  
 TTTGTAACATCTGGGTAGCCTTTGACATCATGTGCTCTACGGCGTCCATTCTGAACCTCTGCGTGATCAG  
 CGTGGACAGGTAAGTGGGCTATCTCCAGCCCTTCCAGTATGAGAGGAAGATGACCCCAAAGCAGCCTTC  
 ATCCTGATTAGCGTAGCATGGACTCTGTCTGTCTTATATCCTTCATCCCAGTACAGCTAAGCTGGCACA  
 AGGCAAAGCCACATGGCCCTTGGATGGCAATTTACCTCCCTGGAGGACACCGAGGATGACAACTGTGA  
 CACAAGTTGAGCAGGACGTATGCCATTCATCGTCCCTCATCAGCTTTTACATCCCGTAGCCATTATG  
 ATCGTCACCTACACCAGTATCTACAGGATTGCCAGAAGCAAATCCGGCGCATCTCAGCCTTGGAGAGGG  
 CAGCAGTCCATGCCAAGAATTGCCAGACCACCGCAGGTAACGGGAACCCCGTCAATGCGCCAGTCTGA  
 AAGTTCCTTTAAGATGTCTTCAAGAGGGAGACGAAAGTTCTAAAGACGCTGTCTGTGATCATGGGGTG  
 TTTGTGTGCTGTGGCTCCCTTTCTTATCTCGAACTGTATGGTGCCTTCTGTGGCTCTGAGGAGACCC  
 AGCCATTCTGCATCGATTCCATCACCTTCGATGTGTTTGTGTGGTTTGGTGGCGAATTCTTCCCTGAA  
 CCCCATATTTATGCTTTAATGCTGACTTCCAGAAGCGTTCTCAACCCTTTAGGATGCTACAGACTC  
 TGCCCTACTACGAATAATGCCATAGAGACGGTGAAGTAAACAACATGGGGCTGTGGTGTTCAGCC  
 ACCATGAGCCCGAGGCTCCATCTCCAAGGACTGTAATCTGGTTTACCTGATCCCTCATGCCGTGGGCTC  
 CTCTGAGGACCTGAAGAAGGAAGAGGCTGGTGAATAGCTAAGCCACTGGAGAAGCTGTCCCGAGCCTTA  
 TCGGTCATATTGGACTATGACACCGATGTCTCTAGAAAAGATCCAACCTGTCCACACAGTGGACAGC  
 ATTCCACT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1618\\_h08.zip](https://cdn.origene.com/chromatograms/ja1618_h08.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_012546

**Insert Size:** 1341 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\\_012546.2](#), [NP\\_036678.2](#)

**RefSeq Size:** 2236 bp

**RefSeq ORF:** 1341 bp

**Locus ID:** 24316

**Cytogenetics:** 17p14

**Gene Summary:** induces dopamine sensitive adenylate cyclase activation; plays a role in regulating food intake [RGD, Feb 2006]