

Product datasheet for **MC215928**

Drd1 (NM_010076) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Drd1 (NM_010076) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Drd1
Synonyms:	C030036C15Rik; Drd-1; Drd1a; Gpcr15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC215928 representing NM_010076
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTCCTAACACTTCTACCATGGATGAGACTGGCCTGCCAGTGGAGAGGGACTTCTCCTTTCGCATCC
 TCACAGCCTGTTTTCTGTCCCTGCTTATCCTGTCCACTCTTAGGGAATACCCTTGTCTGTGCCGCTGT
 CATCAGGTTTTCGACACCTGCGGTCCAAGGTGACCAACTCTTTTGTATCTCTTTAGCTGTGTGAGATCTC
 TTGGTGGCTGTCTTGGTCATGCCCTGAAAGCTGTGGCTGAGATTGCTGGCTTTTGGCCCTTTGGGTCT
 TTTGTAACATTTGGGTAGCCTTTGACATCATGTGCTCCACGGCATCCATCCTAACCTCTGTGTGATCAG
 CGTGGACAGGTATTGGGCTATCTCCAGCCCTTCCAGTATGAGAGGAAGATGACTCCGAAGGCAGCCTTC
 ATCCTGATTAGCGTAGCATGGACTTTGTCTGTTCTCATATCCTTCATTCCAGTGCAGCTAAGCTGGCACA
 AGGCAAACTACATGGCCCTTGGATGGCAATTTACTTCCCTGGAAGATGCCGAGGATGACAACTGTGA
 CACGAGGTTGAGCAGGACATACGCCATTCATCCTCCCTCATAAGCTTTTACATCCCGTAGCCATTATG
 ATCGTCACTTACACCAGTATCTACAGGATTGCCAGAAGCAAATCCGGCGCATCTCAGCTTTGGAGAGGG
 CAGCAGTCCATGCCAAGAACTGCCAGACCACCACAGGTAATGGAAACCCTGTCAATGCTCTCAATCAGA
 AAGTTCCTTTAAGATGTCTTTAAGAGGGAGACTAAAGTCCCTGAAGACTGTCTGTGATCATGGGGTA
 TTCGTGTGCTGTGGCTCCCTTTCTTCAATTCGAACTGTATGGTGCCTTCTGTGGCTCTGAGGAGACCC
 AGCCATTCTGCATTGATTCCATCACCTTCGATGTATTTGTGTGGTTTGGCTGGCGAATTCCTCCCTGAA
 CCCCATTTTATGCTTTAATGCCGATTTTCAGAAGGCATTCTCGACCTCTTAGGATGCTATAGACTC
 TGCCCTACAACGAATAATGCCATAGAGACTGAAGCATCAACAACGGGGCTGTGATGTTTTCCAGCC
 ACCATGAGCCCGAGGCTCCATCTCCAAGGACTGTAATTTGGTTTACCTGATCCCTCATGCTGTGGGCTC
 CTCTGAGGACCTGAAGAGGGAGGAGGCCGGTGGCATAACCTAAGCCACTGGAGAAGCTGTCCCGGCCTTA
 TCGGTCATATTGGACTATGACACCGATGTCTCTAGAAAAGATCCAACCCGTTACCCACAGCGGACAGC
 ATCAACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_010076

Insert Size: 1341 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:

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: [BC137641](#), [AAI37642](#)

RefSeq Size: 2559 bp

RefSeq ORF: 1341 bp

Locus ID: 13488

UniProt ID: [Q61616](#)

Cytogenetics: 13 28.4 cM

Gene Summary: Dopamine receptor whose activity is mediated by G proteins which activate adenylyl cyclase. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no quality transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.