

Product datasheet for **MR226226**

Drd1 (NM_010076) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR226226 representing NM_010076
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTCCTAACACTTCTACCATGGATGAGACTGGCTGCCAGTGGAGAGGGACTTCTCCTTTCGCATCC
 TCACAGCCTGTTTTCTGTCCCTGCTTATCTGTCCACTCTTAGGGAATACCCTTGTCTGTGCCGCTGT
 CATCAGGTTTCGACACCTGCGGTCCAAGGTGACCAACTCTTTTGTATCTCTTTAGCTGTGTGATCTCT
 TTGGTGGCTGTCTTGGTCATGCCCTGAAAGCTGTGGCTGAGATTGCTGGCTTTTGGCCCTTTGGGTCT
 TTTGTAACATTTGGGTAGCCTTTGACATCATGTGCTCCACGGCATCCATCCTAACCTCTGTGTGATCAG
 CGTGGACAGGTATTGGGCTATCTCCAGCCCTTCCAGTATGAGAGGAAGATGACTCCGAAGGCAGCCTTC
 ATCCTGATTAGCGTAGCATGGACTTTGTCTGTTCTCATATCCTTCATTCCAGTGCAGCTAAGCTGGCACA
 AGGCAAACTACATGGCCCTTGGATGGCAATTTACTTCCCTGGAAGATGCCGAGGATGACAACTGTGA
 CACGAGTTGAGCAGGACATACGCCATTCATCCTCCCTCATAAGCTTTTACATCCCGTAGCCATTATG
 ATCGTCACTTACACAGTATCTACAGGATTGCCAGAAGCAAATCCGGCGCATCTCAGCTTTGGAGAGGG
 CAGCAGTCCATGCCAAGAACTGCCAGACCACCACAGGTAATGAAACCCTGTGCAATGCTCTCAATCAGA
 AAGTTCCTTAAAGATGTCTTAAAGAGGGAGACTAAAGTCTGAAGACTGTCTGTGATCATGGGGTA
 TTCGTGTGCTGTGGCTCCCTTCTTCAATTCGAACTGTATGGTGCCTTCTGTGGCTCTGAGGAGACCC
 AGCCATTCTGCATTGATCCATCACCTTCGATGTATTTGTGTGGTTTGGCTGGCGAATTCCTCCCTGAA
 CCCATTATTTATGCTTTAATGCCGATTTTCAGAAGGCATTCTCGACCCTTTAGGATGCTATAGACTC
 TGCCCTACAACGAATAATGCCATAGAGACTGAAGCATCAACAACGGGGCTGTGATGTTTTCCAGCC
 ACCATGAGCCCGAGGCTCCATCTCCAAGGACTGTAATTTGGTTTACCTGATCCCTCATGTGTGGGCTC
 CTCTGAGGACCTGAAGAGGGAGGAGGCCGGTGGCATAACCTAAGCCACTGGAGAAGCTGTCCCGGCCTTA
 TCGGTCATATTGGACTATGACACCGATGTCTCTAGAAAAGATCCAACCGTTACCCACAGCGGACAGC
 ATTCAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226226 representing NM_010076
 Red=Cloning site Green=Tags(s)

MAPNTSTMDTGLPVERDFSRILTACFLSLLILSTLLGNTLVCAAVIRFRHLRSKVTNFFVISLAVSDL
 LVAVLVMPWKAVAEIAGFWPFGSFCNIWVAFDIMCSTASILNLCVISVDRYWAISSPFQYERKMTPKAAF
 ILISVAWTL SVLISFIPVQLSWHKAKPTWPLDGNFTSLEDAEDDNC DTRL SRTYAISSSLISFYIPVAIM
 IVTYTSIYRIAQKQIRRI SALERA AVHAKNCQTTTGNPNVECSQSESSFKMSFKRETKVLKTL SVIMGV
 FVCCWLPFFISNCMVPFCGSEETQPF CIDSITFDVFWFGWANSSLNPIIYAFNADFQKAFSTLLGCYRL
 CPTTNNAIETV SINNGAVMFS SHHEPRGSI SKDCNLVYLIPHAVGSSSEDLKREEAGGIPKPLEKLSPAL
 SVILDYD TDVSLEKI QPVTHSGQHST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_010076

ORF Size: 1338 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](#)

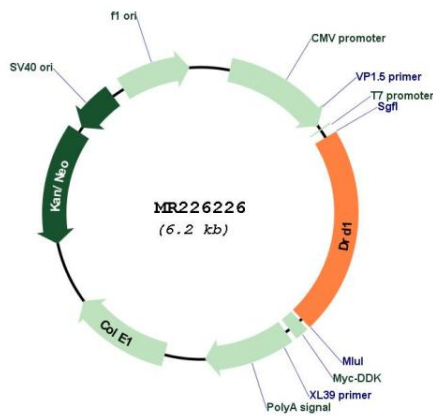
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_010076.1](#), [NM_010076.2](#), [NM_010076.3](#), [NP_034206.1](#)
RefSeq Size: 3543 bp
RefSeq ORF: 1341 bp
Locus ID: 13488
UniProt ID: [Q61616](#)
Cytogenetics: 13 28.4 cM
MW: 50.1 kDa
Gene Summary: Dopamine receptor whose activity is mediated by G proteins which activate adenylyl cyclase. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226226