

Product datasheet for **MR226860**

Drd2 (NM_010077) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Drd2 (NM_010077) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Drd2
Synonyms:	D2R; Drd-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR226860 representing NM_010077
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCCACTGAACCTGTCCTGGTACGATGATGATCTGGAGAGGCAGAAGCTGGAGCCGGCCCTTCAATG
 GGTCCGAAGGGAAGCCAGACAGGCCACTACAACACTATGCCATGCTGCTCACCTCCTCATCTTTAT
 CATCGTCTTTGGCAATGTGCTGGTGTGCATGGCTGTATCCAGAGAGAAGGCTTTGCAGACCACCAAC
 TACCTGATAGTCAGCCTCGTGTGGCCGATCTTCTGGTGGCCACACTGGTTATGCCCTGGGTCTGCTATC
 TGGAGGTGGTGGGTGAGTGGAAATTCAGCAGGATTCAGTGTGACATCTTTGCTACTCTGGATGTCATGAT
 GTGCACAGCAAGCATCTGAACCTGTGTCCATCAGCATCGACAGGTACACAGCTGTGGCCATGCCTATG
 TTGTATAACACACGCTACAGCTCCAAGCGCCGAGTTACTGTCATGATCGCCATTGCTGGGTCTGTCTCT
 TCACCATCTCTTCCCCTGCTCTTTGGACTCAACAACACAGACCAGAATGAGTGTATCATTGCCAACCC
 TGCCCTTCGTGGTCTACTCCTCCATCGTCTCGTTCTACGTGCCCTTCATCGTCACCCTGCTGGTCTATATC
 AAAATCTACATCGTTCTCCGCAAGCGTCGGAAGCGGGTCAACACCAAGCGTAGCAGCCGAGCTTTACAG
 CCAACCTGAAGACACCACTCAAGGGCAACTGTACCCACCCTGAGGACATGAAACTCTGCACCGTTATCAT
 GAAGTCTAATGGGAGTTTCCCAGTGAACAGGCGGAGAATGGATGCTGCCCGGAGCTCAGGAGCTGGAA
 ATGGAGATGCTGTCAAGCACCAGCCCCAGAGAGGACCCGGTATAGCCCATCCCTCCCAGTACCACC
 AGCTCACTCTCCCGATCCATCCCACCAGGTCTACATAGCAACCTGACAGTCTGCCAAACAGAAAA
 GAATGGGCATGCCAAGATTGTCAATCCCAGGATTGCCAAGTCTTTGAGATCCAGACCATGCCAATGGC
 AAAACCCGGACCTCCCTTAAGACGATGAGCCGACGGAAGCTCTCCAGCAGAAGGAGAAGAAAGCCACTC
 AGATGCTTGCCATTGTTCTTGGTGTGTTTCATCATCTGCTGGCTGCCCTTCTTCATCACGCACATCTGAA
 TATACACTGTGACTGCAACATCCCACCAGTCTCTACAGCGCCTTCACATGGCTGGGCTATGTCAACAGT
 GCCGTGAACCCCATCATCTATACCACCTTCAACATTGAGTTCGCAAGGCCTTCATGAAGATCCTGCACT
 GC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226860 representing NM_010077
 Red=Cloning site Green=Tags(s)

MDPLNLSWYDDDLERQNSRPFNGSEGKPDPRPHYNYAMLLTLLIFIIIVFGNVLVCMASREKALQTTTN
 YLIVSLAVADLLVATLVMPWVVYLEVVGWKFRIHCDIFVTLDVMCTASILNLCAISIDRYTAVAMP
 LYNTTRYSSKRRVTVMIAIIVVLSFTISCPLLFGLNNTDQNECIIANPAFVVYSSIVSFYVPIVTLVYI
 KIYIVLRKRRKRVNTRKSSRAFRANLKTPLKGNCTHPEDMKLCTVIMKSNFSFPVNRMRDAARRAQELE
 MEMLSSTSPPERTRYSPIPPSSHQLTLPDPSHHGLHSNPDSPAKPEKNGHAKIVNPRIAKFFEIQTMPNG
 KTRTSLKTMSRRKLSQQKEKATQMLAIVLGVFIICWLPFFITHILNIHCDNIPPVLYSAFTWLGTVNS
 AVNPPIIYTTFNIEFRKAFMKILHC

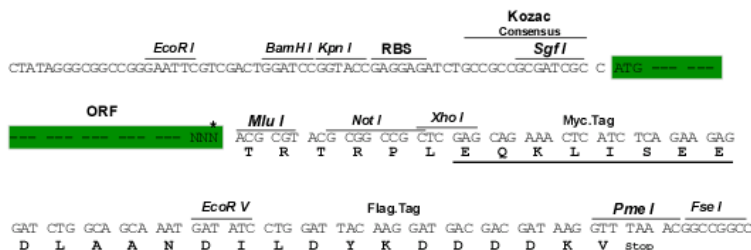
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_010077

ORF Size: 1332 bp

OTI Disclaimer: 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_010077.3](#)

RefSeq Size: 1549 bp

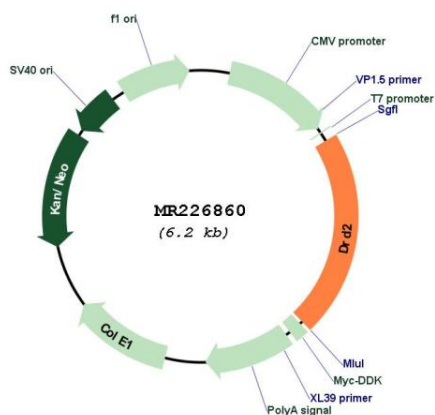
RefSeq ORF: 1335 bp

Locus ID: 13489

UniProt ID: [P61168](#)

Cytogenetics: 9 26.72 cM
 MW: 51.4 kDa
 Gene Summary: Dopamine receptor whose activity is mediated by G proteins which inhibit adenylyl cyclase. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226860