

Product datasheet for **MG226860**

Drd2 (NM_010077) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Drd2 (NM_010077) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Drd2
Synonyms:	D2R; Drd-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG226860 representing NM_010077
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCCACTGAACCTGTCCTGGTACGATGATGATCTGGAGAGGCAGAAGCTGGAGCCGGCCCTTCAATG
 GGTCCGAAGGGAAGCCAGACAGGCCCACTACAACACTATGCCATGCTGCTCACCTCCTCATCTTTAT
 CATCGTCTTTGGCAATGTGCTGGTGTGCATGGCTGTATCCAGAGAGAAGGCTTTCAGACACCACCAAC
 TACCTGATAGTCAGCCTCGCTGTGGCCGATCTTCTGGTGGCCACACTGGTTATGCCCTGGGTCGTCTATC
 TGGAGGTGGTGGGTGAGTGGAAATTCAGCAGGATTCAGTGTGACATCTTTGCTACTCTGGATGTCATGAT
 GTGCACAGCAAGCATCTGAACCTGTGTCCATCAGCATCGACAGGTACACAGCTGTGGCCATGCCTATG
 TTGTATAACACACGCTACAGCTCCAAGCGCCGAGTTACTGTCATGATCGCCATTGCTGGGTCCTGTCT
 TCACCATCTCTTGGCCACTGCTCTTTGGACTCAACAACACAGACCAGAATGAGTGTATCATTGCCAACCC
 TGCCTTCGTGGTCTACTCCTCCATCGTCTCGTTCTACGTGCCCTTCATCGTCACCCTGCTGGTCTATATC
 AAAATCTACATCGTTCTCCGCAAGCGTCGGAAGCGGGTCAACACCAAGCGTAGCAGCCGAGCTTTCAGAG
 CCAACCTGAAGACACCACTCAAGGGCAACTGTACCCACCCTGAGGACATGAAACTCTGCACCGTTATCAT
 GAAGTCTAATGGGAGTTTCCAGTGAACAGGCGGAGAATGGATGCTGCCCGGAGCTCAGGAGCTGGAA
 ATGGAGATGCTGTCAAGCACCAGCCCCAGAGAGGACCCGGTATAGCCCATCCCTCCAGTCACCACC
 AGCTCACTCTCCCGATCCATCCACCACGGTCTACATAGCAACCTGACAGTCTGCCAAACAGAAAA
 GAATGGGCATGCCAAGATTGTCAATCCCAGGATTGCCAAGTCTTTGAGATCCAGACCATGCCAATGGC
 AAAACCCGACCTCCCTTAAGACGATGAGCCGCAGGAAGCTCTCCAGCAGAAGGAGAAGAAAGCCACTC
 AGATGCTTGCCATTGTTCTTGGTGTGTTTCATCATCTGCTGGTGGCCCTTCTTCATCAGCACATCTGAA
 TATACACTGTGACTGCAACATCCACCAGTCCTCTACAGCGCCTTACATGGCTGGGCTATGTCAACAGT
 GCCGTGAACCCATCATCTATACCACCTTCAACATTGAGTTCGCAAGGCCTTCATGAAGATCCTGCACT
 GC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG226860 representing NM_010077
 Red=Cloning site Green=Tags(s)

MDPLNLSWYDDDLERQNSRPFNGSEGKPDPRPHYNYAMLLTLLIFIIIVFGNVLVCMASREKALQTTTN
 YLIVSLAVADLLVATLVMPWVVYLEVVGWKFVSRHCDIFVTLVMMCTASILNLCAISIDRYTAVAMP
 LYNTYSSKRRVTVMIAIWWLSFTISCPPLLFLNNTDQNECIIANPAFVYSSIVSFYVPIVTLVYI
 KIYIVLRKRRKRVNTRSSRAFRANLKTPLKGNCTHPEDMKLCTVIMKSNGSFPVNRMRDAARRAQELE
 MEMLSSTSPPERTRYSPIPPSHHQLTLPDPSHHGLHSNPDSPAKPEKNGHAKIVNPRIAKFFEIQTMPNG
 KTRTSLKTMSRRKLSQQKEKATQMLAIVLGVFIICWLPFFITHILNIHCDNIPPVLYSAFTWLGYVNS
 AVNPIIYTTFNIEFRKAFMKILHC

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


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

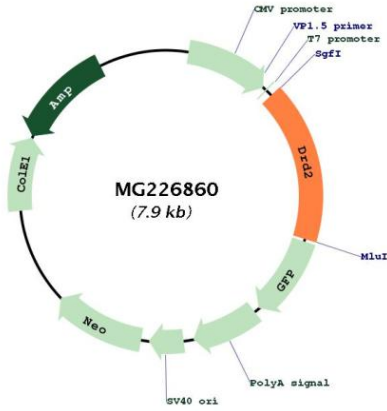
Locus ID: 13489

UniProt ID: [P61168](#)

Cytogenetics: 9 26.72 cM

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

Product images:



Circular map for MG226860