

Product datasheet for **RN207803**

Drd2 (NM_012547) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Drd2 (NM_012547) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Drd2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN207803 representing NM_012547
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATCCACTGAACCTGTCCTGGTACGATGACGATCTGGAGAGGCAGAAGCTGGAGCCGGCCCTTCAATG
GGTCAGAAGGGAAGGCAGACAGGCCCACTACAACACTATGCCATGCTGCTCACCTCCTCATCTTTAT
CATCGTCTTTGGCAATGTGCTGGTGTGCATGGCTGTATCCCGAGAGAAGGCTTTCGAGACCACCAAC
TACTTGATAGTCAGCCTTGTGTGGCTGATCTTCTGGTGGCCACACTGGTAATGCCGTGGGTTGTCTACC
TGGAGGTGGTGGGTGAGTGGAAATTCAGCAGGATTCAGTGTGACATCTTTGTCACTCTGGATGTCATGAT
GTGCACAGCAAGCATCCTGAACCTGTGTCCATCAGCATTGACAGGTACACAGCTGTGGCAATGCCCATG
CTGTATAACACACGCTACAGCTCCAAGCGCCGAGTTACTGTCATGATTGCCATTGTCTGGGTCCTGTCT
TCACCATCTCCTGCCACTGCTCTTCGGACTCAACAATACAGACCAGAATGAGTGTATCATTGCCAACCC
TGCTTTGTGGTCTACTCCTCCATTGTCTCATTCTACGTGCCCTTCATCGTCACTCTGCTGGTCTATATC
AAAATCTACATCGTCTCCGGAAGCGCCGGAAGCGGGTCAACACCAAGCGCAGCAGTCGAGCTTTCAGAG
CCAACCTGAAGACACCACTCAAGGGCAACTGTACCCACCCTGAGGACATGAAACTCTGCACCGTTATCAT
GAAGTCTAATGGGAGTTTCCAGTGAACAGGCGGAGAATGGATGCTGCCCGCAGCTCAGGAGCTGGAA
ATGGAGATGCTGTCAAGCACCAGTCCCCAGAGAGGACCCGGTATAGCCCATCCCTCCCAGTCACCACC
AGCTCACTCTCCCTGATCCATCCCACCAGGCCTACATAGCAACCCTGACAGTCTGCCAAACCAGAGAA
GAATGGGCACGCCAAGATTGTCAATCCCAGGATTGCCAAGTCTTTGAGATCCAGACCATGCCAATGGC
AAAACCCGGACCTCCCTTAAGACGATGAGCCGCAGAAAGCTCTCCAGCAGAAGGAGAAGAAAGCCACTC
AGATGCTTGCCATTGTTCTCGGTGTGTTTCATCATCTGCTGGCTGCCCTTCTTCATCACGCACATCCTGAA
TATACACTGTGATTGCAACATCCCACCAGTCTCTACAGCGCCTTCACATGGCTGGGCTATGTCAACAGT
GCCGTCAACCCCATCATCTACACCACCTTCAACATCGAGTTCGCAAGGCCTTCATGAAGATCTTGCACT
GCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1622_e01.zip

Restriction Sites: SgfI-MluI

ACCN: NM_012547

Insert Size: 1335 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_012547.1](#), [NP_036679.1](#)
RefSeq Size: 2750 bp
RefSeq ORF: 1335 bp
Locus ID: 24318
UniProt ID: [P61169](#)
Cytogenetics: 8q23
Gene Summary: mediates G-protein coupled signaling; may be involved in movement disorders, schizophrenia, and drug addiction [RGD, Feb 2006]