

Product datasheet for **RR207803**

Drd2 (NM_012547) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR207803 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGATCCACTGAACCTGTCCTGGTACGATGACGATCTGGAGAGGCAGAAGCTGGAGCCGGCCCTTCAATG
 GGTGAGAAAGGGAAGGCAGACAGGCCCACTACAACACTATGCCATGCTGCTCACCTCCTCATCTTTAT
 CATCGTCTTTGGCAATGTGCTGGTGTGCATGGCTGTATCCCGAGAGAAGGCTTTGCAGACCACCAAC
 TACTTGATAGTCAGCCTTGTGTGGCTGATCTTCTGGTGGCCACACTGGTAATGCCGTGGGTTGTCTACC
 TGGAGGTGGTGGGTGAGTGGAAATTCAGCAGGATTCAGTGTGACATCTTTGTCACTCTGGATGTCATGAT
 GTGCACAGCAAGCATCCTGAACCTGTGTCCATCAGCATTGACAGGTACACAGCTGTGGCAATGCCCATG
 CTGTATAACACACGCTACAGCTCCAAGCGCCGAGTTACTGTCATGATTGCCATTGTCTGGGCTCTGTCT
 TCACCATCTCCTGCCACTGCTCTTCGGACTCAACAATACAGACCAGAATGAGTGTATCATTGCCAACCC
 TGCTTTGTGGTCTACTCCTCCATTGTCTCATTCTACGTGCCCTTCATCGTCACTCTGCTGGTCTATATC
 AAAATCTACATCGTCTCCGGAAGCGCCGGAAGCGGGTCAACACCAAGCGCAGCAGTCGAGCTTTACAG
 CCAACCTGAAGACACCACTCAAGGGCAACTGTACCCACCCTGAGGACATGAAACTCTGCACCGTTATCAT
 GAAGTCTAATGGGAGTTTCCAGTGAACAGGCGGAGAATGGATGCTGCCCGCAGCTCAGGAGCTGGAA
 ATGGAGATGCTGTCAAGCACCAGTCCCCAGAGAGGACCCGGTATAGCCCATCCCTCCCAGTCAACC
 AGCTCACTCTCCCTGATCCATCCCACCACGGCCTACATAGCAACCTGACAGTCTGCCAAACCAGAGAA
 GAATGGGCACGCCAAGATTGTCAATCCCAGGATTGCCAAGTCTTTGAGATCCAGACCATGCCAATGGC
 AAAACCCGGACCTCCCTTAAGACGATGAGCCGCAGAAAGCTCTCCAGCAGAAGGAGAAGAAAGCCACTC
 AGATGCTTGCCATTGTTCTCGGTGTGTTTCATCATCTGCTGGCTGCCCTTCTTCATCACGCACACTCCTGAA
 TATACACTGTGATTGCAACATCCCACCAGTCTCTACAGCGCCTTCACATGGCTGGGCTATGTCAACAGT
 GCCGTCACCCCATCATCTACACCACCTTCAACATCGAGTTCGCAAGGCCTTCATGAAGATCTTGCACT
 GC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207803 protein sequence
 Red=Cloning site Green=Tags(s)

MDPLNLSWYDDDLERQNSRPFNGSEGKADRPHYNYAMLLTLLIFIIIVFGNVLVCMASREKALQTTTN
 YLIVSLAVADLLVATLVMPWVVYLEVVGWKFVSRHCDIFVTLVMMCTASILNLCASIDRYTAVAMP
 LYNTRYSSKRRVTVMIAIWWLSFTISCPFLFGLNNTDQNECIANPAFVVYSSIVSFYVPFIVTLLVYI
 KIYIVLRKRRKRVNTRKSSRAFRANLKTPLKGNCTHPEDMKLCTVIMKSNFSFPVNRMRDAARRAQELE
 MEMLSSTSPPERTRYSPIPPSSHQLTLPDPSHHGLHSNPDSPAKPEKNGHAKIVNPRIAKFFEIQTMPNG
 KTRTSLKTMRRKLSQQKEKATQMLAIVLVGFIIICWLPFFITHILNIHCDNIPPVLYSAFTWLGTVNS
 AVNPPIIYTTFNIEFRKAFMKILHC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_012547

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_012547.1](#), [NP_036679.1](#)

RefSeq Size: 2750 bp

RefSeq ORF: 1335 bp

Locus ID: 24318

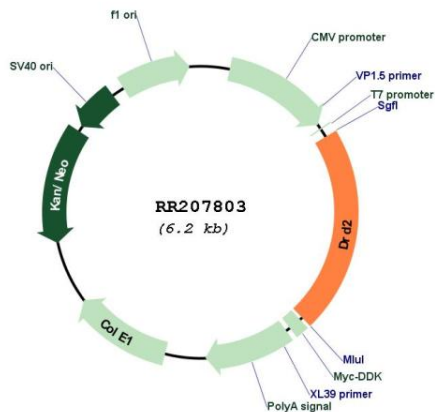
UniProt ID: [P61169](#)

Cytogenetics: 8q23

MW: 50.9 kDa

Gene Summary: mediates G-protein coupled signaling; may be involved in movement disorders, schizophrenia, and drug addiction [RGD, Feb 2006]

Product images:



Circular map for RR207803