

Product datasheet for **RN200601**

Drd4 (NM_012944) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Drd4 (NM_012944) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Drd4
Synonyms:	D4RA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN200601 representing NM_012944 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAACAGCAGCGCTACTGGTGACGGTGGGCTGTTGGCCGGGCGTGGCCAGAGTCCTTAGGTA
GCACCGGACTTGGGGCGCGGGCGGGCGGCTGGTGGGAGGCGTGTCTCATCGGCATGGTGTGGC
AGGGAACGCTCGTTTGGCTGAGCGTGGCTCCGAGCGCATCCTGCAGACACCCACCACTACTTCATC
GTGAGCCTGGCGGCTGCCGACCTCCTCCTCGGGTGTGGTGTTCCTCTTTGTCTACTCCGAGGGT
GCGTGTGGCTGTGAGCCCCGCTCTGTGACACCCTCATGGCCATGGACGTCATGCTGTGCACCGCCTC
CATCTTCAACCTGTGCGCCATCAGCGTGGACAGGTTTGTGGCTGTGACCGTGCCACTGCGCTACAACCG
CAGGGTCAAGTCCAGCTGCTGCTCATCGCCGCCAGTGGCTGCTGTGCGCGGGTGGTGCACCGCTCG
TGTGCGGCTCAATGATGTGCCCGTCCGATCCAACCGTGTGCTGCCTGGAGGACCGCGACTACGTGGT
CTACTCATCCATTTGTTCTTCTCCTGCCCTGTCCGCTCATGCTACTGCTTTACTGGGCCACTTTCCGT
GGCTTGCAGCGCTGGGAGGACGCCCGCACACCAAGCTTACAGCCGCGCGCCGCGCCGACCCAGCGGCC
CGGGCCCGCGGTGTCCGACCTACTCAGGGTCCCCTCTCTCAGATTGTCCGCCTCCCTACCCAGCCT
CCGGACGAGCCCCACCGTCTCCAGCAGACCAGAGTCAGACCTCTCAGAGCCCCGCAGCCCCGGGTGT
CTGCTCCCTGATGCAGCGCTCGCGCAACCGCTGCGCCGTCTTCCCGCAGAAAGAGAGGCCGCAAGATCA
CTGGAAGGGAGCGCAAGCGGATGAGAGTCTGCCGGTGGTAGTTGGGGCCTTCTGATGTGTTGGACGCC
TTTCTTGTGGTGCACATCACACGGGCGTGTGTCCGGCTTGTTCGTGTCCCCACGCGCTGGTCAAGTGT
GTCACCTGGTGGCTATGTCAACAGTGCCTCAACCCCATCATCTACACCATCTCAATGCCGAGTTTC
GAAGTGTCTTCCGCAAGACTCTTCGCTCCGCTGCTGA

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja1629_e10.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_012944
Insert Size:	1158 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:	<ol style="list-style-type: none">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_012944.1 , NP_037076.1
RefSeq Size:	1409 bp
RefSeq ORF:	1164 bp
Locus ID:	25432
Cytogenetics:	1q41
Gene Summary:	may play a role in exploratory behavior and motor coordination; may be involved in lesion induced hyperactivity [RGD, Feb 2006]