

Product datasheet for **RN205457**

Dr1 (NM_001011914) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dr1 (NM_001011914) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dr1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205457 representing NM_001011914 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCTTCCTCGTCTGGCAACGACGATGATCTCACTATCCCGAGAGCTGCTATAAATAAGATGATCAAAG
AGACTCTCCCTAATGTCAGGGTGGCCAACGATGCCCGAGAGCTCGTAGTGAAGTCTGACTGAATTCAT
TCACCTTATATCTCCGAAGCCAACGAGATTTGTAACAAGTCAGAAAAGAAGACAATCTCACCAGAGCAT
GTCATCCAAGCACTAGAAAGTTTGGGCTTTGGCTCTTACATCAGTGAAGTAAAAGAAGTCTTACAAGAAT
GCAAGACAGTAGCATTAAAAAGAAGAAAGGCCAGTTCTCGTTTGGAAAACCTTGGCATTCTGAAGAAGA
ATTATTGAGACAGCAACAGGAATTATTTGCAAAAGCTAGACAGCAACAAGCAGAATTGGCCCAACAGGAG
TGGCTTCAGATGCAGCAAGCAGCTCAGCAGGCCAGTTGGCTGCTGCCTCAGCCAGTGCATCCAATCAGG
CCGGTCTTCACAGGACGAAGACGACGACGACATCTGA

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001011914
Insert Size:	531 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).



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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_001011914.1](#), [NP_001011914.1](#)

RefSeq Size: 3035 bp

RefSeq ORF: 531 bp

Locus ID: 289881

UniProt ID: [Q5XI68](#)

Cytogenetics: 14p22

Gene Summary: The association of the DR1/DRAP1 heterodimer with TBP results in a functional repression of both activated and basal transcription of class II genes. This interaction precludes the formation of a transcription-competent complex by inhibiting the association of TFIIA and/or TFIIIB with TBP. Can bind to DNA on its own. Component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4 (By similarity).[UniProtKB/Swiss-Prot Function]