

Product datasheet for **RR213583**

Drgx (NM_145767) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Drgx (NM_145767) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Drgx
Synonyms: Drg11; Prrxl1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213583 representing NM_145767
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTTTATTTCCACTGCCCGCCACAGCTAGAGGGCACAGCGCCTTTTGGTAACCACTCTACGGGGATT
TTGATGATGGGTTTCTTAGAAGAAAACAGCGCAGAAATCGGACAACCTTCGCTCTTCAGCAGTTGGAAGC
TCTGGAGGCAGTCTTTGCCCAAACACACTACCCAGATGTCTTCACCAGAGAAGAGCTAGCCATGAAAATA
AACCTCACAGAAGCCAGAGTGCAGGTTTGGTTCCAGAACCAGAGCCAAGTGGAGGAAGACAGAGAGAG
GGGCTCTGACCAGGAACCAGGGGCTAAGGAACCCATGGCAGAGGTGACACCACCCCAAGTGGAGAACAT
CAACTCTCACACCCAGGGGACCAGGCCCGGGCAAGAAGGAGGCCCTGGAGGCCAGCAGAGCCTGGGA
CGCACAGTGGGCCCCGCCGGGCTTTCTCCCCTCCTGCTTGCCAGGGACCCTCCTGAACACAGCCACTT
ATGCCAGGCCCTGTCCCATGTGGCATCTCTGAAAGGGGGCCACTGTGCTTTGCTGCGTCCCAGACCC
TATGGGCTCTCCTTCTCCCCTTACGGTTGCCAGAGTAACCGCACAGCCAGCGTGGCTGCCCTGCCG
ATGAAGGCCCGCAGCATTCAAGCGGTCTGCAGTCTGCCAACCTTCTGCCGTCCACCAGCAGCAGCC
CGGCCCTGCCTCAAGCAGGTGCCTCCAGAAGGCAGCCAGGACAAGCCCTCCCAACGAAGGAACAGAG
CGAGGGAGAGAAGAGCGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213583 representing NM_145767
Red=Cloning site Green=Tags(s)

MFYFHCPPQLEGTAPFGNHSTGDFDDGFLRRKQRRNRRTTFALQQLALEAVFAQTHYPDVFTRTELAMKI
 NLTEARVQVWFQNRRAKWRKTERGASDQEPGAKEPMAEVTTPPVNRNINSPPPGDQARGKKEALEAQQSLG
 RTVGPAGPFFPSCLPPTLLNTATYAQALSHVASLKGGLCSCCVPDPMGLSFLPTYGCQSNRTASVAALR
 MKAREHSEAVLQSANLLPSTSSSPGASKQVPPEGSQDKPSPTKEQSEGEKSV

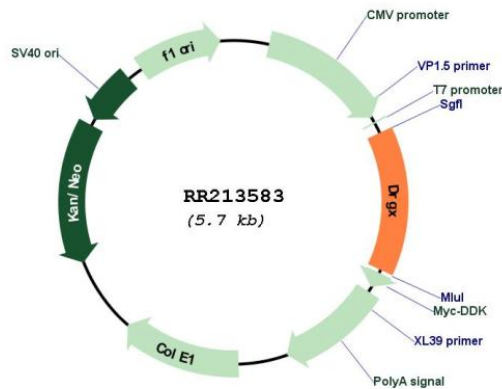
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_145767
ORF Size: 789 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:	<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_145767.1 , NP_665710.1
RefSeq Size:	2399 bp
RefSeq ORF:	792 bp
Locus ID:	252880
UniProt ID:	Q62798
Cytogenetics:	16p16
MW:	28.6 kDa
Gene Summary:	paired homeodomain protein; may be involved in regulating sensory neuron synapse formation [RGD, Feb 2006]