

Product datasheet for **RG233586**

DRGX (NM_001276451) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DRGX (NM_001276451) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DRGX
Synonyms: DRG11; PRRXL1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233586 representing NM_001276451
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTTATTTCCACTGCCGCCACAGCTAGAGGGCACTGCAACCTTTGGCAATCACTCTTCGGGGGATT
TTGATGACGGTTTCTGCGTAGAAAACAGCGCCGGAACCGGACGACGTTCACTCTTCAGCAGCTGGAAGC
TCTCGAGGCCGTTTTTGCCTAAACACTATCCAGATGTCTTACCAGAGAAGAGCTCGCCATGAAAATA
AACCTCACAGAAGCCAGAGTGCAGGTTTGGTCCAGAACAGAAGGGCCAAATGGAGGAAGACAGAGAGAG
GGCCTCAGACCAGGAGCCAGGACCAAGGAGCCCATGGCAGAGGTGACACCTCCTCCAGTGAGAAACAT
CACTCCCGCCCTGGGGACCAAGCCCGGAGTAAGAAGGAGGCGCTGGAGGCCAGCAGAGCCTGGGG
CGAACGGTAGGTCTGCAGGGCCTTTCTTCCCCTCCTGCTTGCCGGGGACTCTCCTGAACACGGCCACCT
ACGCCAGGCCTTGTCCTATGTGGCTTCCCTCAAAGGGGGCCACTGTGCTCTTGCTGCGTCCCAGACCC
CATGGGACTCTCCTTCTTCCCACCTATGGCTGCCAGAGTAACCGCACGGCCAGCGTGGCCACCCTGCGC
ATGAAGGCCCGCAGCACTCAGAAGCTGTCTGCAGTCAGCCAACCTCCTGCCTTCCACCAGCAGCAGCC
CCGGCCCTGTGCAAGCCGGCGCCCCAGATGGCAGCCAGGAAAAGACCTCTCCACCAAGGAACAGAG
CGAGGCAGAGAAGAGTGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233586 representing NM_001276451
 Red=Cloning site Green=Tags(s)

MFYFHCPPQLEGTATFGNHSSGDFDDGFLRRKQRRNRRTFTLQQLALEAVFAQTHYPDVFTREELAMKI
 NLTEARVQVWFQNRRAKWRKTERGASDQEPGAKEPMAEVTPPPVRNINSPPPGDQARSKKEALEAQQSLG
 RTVGPAGPFFPSCLPPTLLNTATYAQALSHVASLKGGLPLCSCCVPDPMGLSFLPTYGCQSNRTASVATLR
 MKAREHSEAVLQSANLLPSTSSSPGPVAKPAPPDGSQEKTSPKTEQSEAEKSV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001276451

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:

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_001276451.2](#)

RefSeq Size: 955 bp

RefSeq ORF: 792 bp

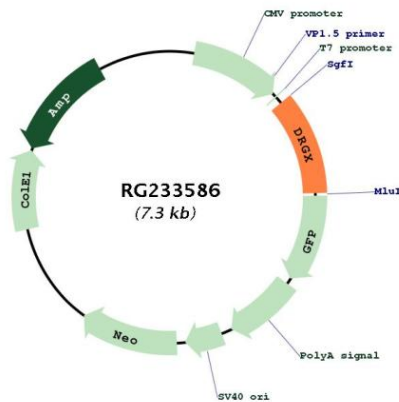
Locus ID: 644168

UniProt ID: [A6NNA5](#)

Cytogenetics: 10q11.23

Gene Summary: Transcription factor required for the formation of correct projections from nociceptive sensory neurons to the dorsal horn of the spinal cord and normal perception of pain. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG233586