

Product datasheet for **RG222986**

DRGX (NM_001080520) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DRGX (NM_001080520) 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:	>RG222986 representing NM_001080520 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCTGATGAGCTGTGACCAACGGTTGATCAGTTTGCTCTTGGTAGGCACTGCAACCTTTGGCAATC
ACTCTTCGGGGATTTTGTGACGGTTTCTGCGTAGAAAACAGCGCCGGAACCGGACGACGTTCACTCT
TCAGCAGCTGGAAGCTCTCGAGGCCGTTTTGCCCAAACACACTATCCAGATGTCTTACCAGAGAAGAG
CTCGCCATGAAAATAAACCTCACAGAAGCCAGAGTGCAGGTTTGGTTCCAGAACAGAAGGGCCAAATGGA
GGAAGACAGAGAGAGGGCCTCAGACCAGGAGCCAGGAGCCAAGGAGCCATGGCAGAGGTGACACCTCC
TCCAGTGAGAAACATCAACTCCCCGCCCTGGGGACCAAGCCCGAGTAAGAAGGAGGCCCTGGAGGCC
CAGCAGAGCCTGGGGCGAACGGTAGTCTGCAGGGCCTTTCTTCCCCTCCTGCTTGCCGGGACTCTCC
TGAACACGGCCACCTACGCCAGGCCTGTCCATGTGGCTTCCCTCAAAGGGGGCCCACTGTGCTCTTG
CTGCGTCCAGACCCATGGGACTCTCCTTCTTCCCACATGGCTGCCAGAGTAACCGCACGGCCAGC
GTGGCCACCCTGCGCATGAAGCCCGGAGCACTCAGAAGCTGTCTGCAGTCAGCAACCTCCTGCCTT
CCACCAGCAGCAGCCCCGCCCTGTGCGCAAGCCGGCGCCCCAGATGGCAGCCAGGAAAAGACCTCTCC
CACCAAGGAACAGAGCGAGGCAGAGAAGAGTGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG222986 representing NM_001080520
 Red=Cloning site Green=Tags(s)

MVLMSCDQRLISLLLVTATFGNHSSGDFDDGFLRRKQRRNRRTFTLQQLALEAVFAQTHYPDVFTREE
 LAMKINL TEARVQVWFQNRRAKWRKTERGASDQEPGAKEPMAEVT PPPVVRNINSPPPGDQARSKKEALEA
 QQSLGRTVGPAGPFFPSCLP GTLLNTATYAQALSHVASLKGGPLCSCCVPDPMGLSFLPTYGCQSNRTAS
 VATLRMKAREHSEAVLQSANLLPSTSSSPGPVAKPAPPDGSQEKTSPTKEQSEAEKSV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001080520

ORF Size: 803 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_001080520.1](#), [NP_001073989.1](#)

RefSeq Size: 807 bp

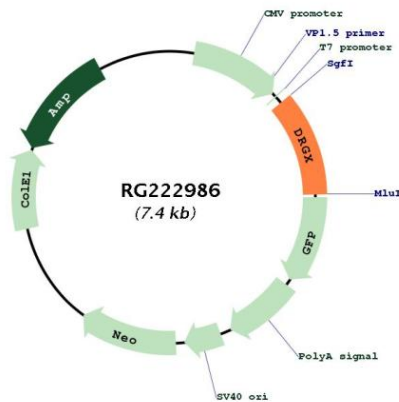
RefSeq ORF: 806 bp

Locus ID: 644168

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 RG222986