

## Product datasheet for **RG220805**

### DPRX (NM\_001012728) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DPRX (NM_001012728) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DPRX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220805 representing NM_001012728 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGCCAGGCTCAGAGGATCTTCGTAAAGGCAAGGACCAGATGCATTCACACAGGAAACGAACCATGTTCA  
CTAAGAAGCAACTGGAAGATCTGAACATCTTGTCAATGAGAACCCATACCCAAACCCAGCCTTCAGAA  
AGAAATGGCCTCGAAAATAGACATACACCAACAGTACTGCAGGTCTGGTTCAAGAATCACAGAGCAAAA  
CTCAAGAAAGCGAAATGCAAGCATATTCATCAAAAACAAGAACTCCACAACCGCCAATACCAGAGGGTG  
GGGTCTCCACCAAGTGTCCGCTGAGAAATGCAGACACACTACCCAGATTGCCAACGCTGCTCACCCGAT  
CGGCCTGGTGTACACGGGTATCGAGTCCCTCATTCAGCTCATCTGTACCCCAACCTCAAGGTCCCT  
GCAAATGACTTCATTGGCCACAGAATAGTCCATTTGGCTGCTGCCGAGATCCTAATATATACTGCCTCT  
ACCCCATTTTGAATCCCAAGTTTGCCTCCAAGCTTCCATTCTGGCTCTCCTGCCTGTTTCATCTAACCA  
AAGTCGAGAGAGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:	>RG220805 representing NM_001012728 Red=Cloning site Green=Tags(s)
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MPGSEDLRKGDQMHSHRKRTMFTKKQLEDNLNLFNENPYPNPQLQKEMASKIDIHPTVLQVWFKNHRAK  
LKKAKCKHIHQKETPQPPPIEGGVSTSVGLRNADTLPRLPNAAHPIGLVYTGHRVPSFQLILYPNLKVP  
ANDFIGHRIVHFGCCRPNIYCLYPILESQVCAPSFHSGSPACSSNQSRER

**TRTRPLE** - GFP Tag - V

Restriction Sites:	Sgfl-MluI
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## Cloning Scheme:



ACCN: NM\_001012728

ORF Size: 573 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\\_001012728.1](#), [NP\\_001012746.1](#)

RefSeq Size: 648 bp

RefSeq ORF: 576 bp

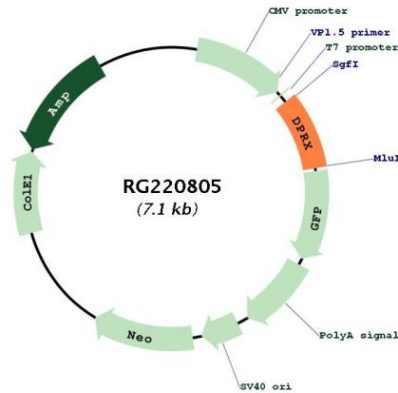
Locus ID: 503834

UniProt ID: [A6NFQ7](#)

**Cytogenetics:** 19q13.42

**Gene Summary:** Homeobox genes encode DNA-binding proteins, many of which are thought to be involved in early embryonic development. Homeobox genes encode a DNA-binding domain of 60 to 63 amino acids referred to as the homeodomain. This gene is a member of the DPRX homeobox gene family. Evidence of mRNA expression has not yet been found for this gene. Multiple, related processed pseudogenes have been found which are thought to reflect expression of this gene in the germ line or embryonic cells. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RG220805