

Product datasheet for **RG213199**

C8orf42 (TDRP) (NM_175075) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C8orf42 (TDRP) (NM_175075) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C8orf42
Synonyms:	C8orf42; Inm01; TDRP1; TDRP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213199 representing NM_175075 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTGGGGCGGGCCGGTCTGGGGCAGGGTTTGGGGCGGGTTTGGTGGGGAGGGGGCGGGCCTAG
TTCTGGGGGTGCCCCGCCCGCCTTAGCCCCGCCCGGCCACTGGGCCCGCTCCCGCAGGAGCCGCAG
GCAGAGCGTCCGGCGCCGGGAGGGACGCGGAGCCACAGCCGACGCACGGACGGAGGGACGCCGGAGCC
CGCCTGACCATGTGGAAGCTGGGCCGGGCCGAGTGCTGCTGGACGAGCCCCCGAGGAGGAGGACGGCC
TGCGTGGGGGGCCGCCACCGGCCCGCCGCCCGCCAGGCGCAGGTTTCAGGGAGCAAGTTTCCGAGG
TTGAAAGAAGTGACTTCACTGTTAAACAAAGATGATGAGCAGCATCTCCTGGAAAGATGTAATCTCCC
AAGTCAAAGGAACTAATTACGATTAAGAAAGAGTTGAAGGCAGAGAAGAAATCTGGATTTTGGGACA
ATTTGGTTTTAAACAGAATATACAGTCTAAAAACCAGATGAAATTGAAGGTTGGGAGCCTCCAAAAT
TGCTCTTGAGACATATCGGCTGACCCTGAGGACACCGTGGGTGGCCACCCATCTGGTCAGGCTGGGAG
GATGACGCCAAGGGCTCGACCAAGTACACCAGCCTGGCCAGCTCTGCCAACAGCTCCAGTGGAGCCTGC
GCGCGCAGGGAGGCTGGTGAGCATCCGACGGCAGAGTAAAGGCCACCTGACAGATAGCCCGGAGGAGGC
GGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG213199 representing NM_175075
 Red=Cloning site Green=Tags(s)

```
MVWGRAGSWGRVWGGFGGEGAGLVLGVPRPRLSPARPTGPASRRSRRQSVRRPGGTRSHSPTHGRRDAGA
RLTMWKLGRGRVLLDEPPEEEDGLRGGPPAAAAAQAQVQGASFGRWKEVTSLFNKDDEQHLLECKSP
KSKGTNLRKKEELKAEKKSGFWDNLVLKQNIQSKKPDEIEGWEPKLALEDISADPEDTVGGHPSWSGWE
DDAKGSTKYTSLASSANSRWSLRAAGRLVSIIRQSKGHLTDSPEEAE
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175075

ORF Size: 774 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_175075.2](#), [NP_778250.1](#)

RefSeq Size: 1901 bp

RefSeq ORF: 558 bp

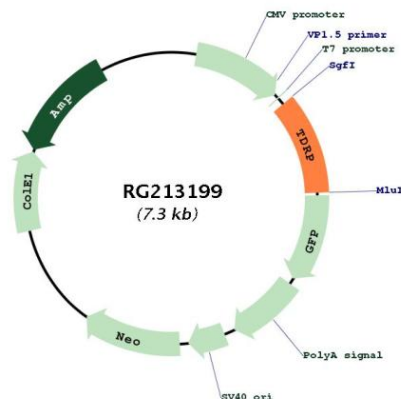
Locus ID: 157695

UniProt ID: [Q86YL5](#)

Cytogenetics: 8p23.3

Gene Summary: Contributes to normal sperm motility, but not essential for male fertility.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG213199