

## Product datasheet for RC213199

### 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:	Myc-DDK
Symbol:	C8orf42
Synonyms:	C8orf42; Inm01; TDRP1; TDRP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213199 representing NM_175075 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTTTGGGGCGGGCCGGTCTGGGGCAGGGTTTGGGGCGGGTTGGTGGGGAGGGGCGGGCCTAG  
TTCTGGGGGTGCCCCGCCCGCCTTAGCCCCGCCCGGCCACTGGGCCCGCTCCCGCAGGAGCCGCAG  
GCAGAGCGTCCGGCGGCCGGGAGGGACGCGGAGCCACAGCCGACGCACGGACGGAGGGACGCCGGAGCC  
CGCCTGACCATGTGGAAGCTGGGCCGGGCCGAGTGCTGCTGGACGAGCCCCGAGGAGGAGGACGGCC  
TGCGTGGGGGGCCGCCACCGGCCCGCCGCCCGCCAGGCGCAGGTTCAAGGAGCAAGTTTCCGAGG  
TTGAAAAGAAGTGACTTCACTGTTAAACAAAGATGATGAGCAGCATCTCCTGGAAAAGATGTAATCTCCC  
AAGTCCAAAGGAACTAATTACGATTAAGAAAGAGTTGAAGGCAGAGAAGAAATCTGGATTTTGGGACA  
ATTTGGTTTTAAACAGAATATACAGTCTAAAAACCAGATGAAATTGAAGGTTGGGAGCCTCCAAAAT  
TGCTCTTGAAACATATCGGCTGACCCTGAGGACACCGTGGGTGGCCACCCATCTGGTCAGGCTGGGAG  
GATGACGCCAAGGGCTCGACCAAGTACACCAGCCTGGCCAGCTCTGCCAACAGCTCCAGGTGGAGCCTGC  
GCGCGCAGGGAGGCTGGTGAGCATCCGACGGCAGAGTAAAGGCCACCTGACAGATAGCCCGGAGGAGGC  
GGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RC213199 representing NM\_175075  
Red=Cloning site Green=Tags(s)

MVWGRAGSWGRVWGGFGGEGAGLVLGVPRPRLSPARPTGPASRRSRRQSVRRPGGTRSHSPTHGRRDAGA  
 RLTMWKLGRGRVLLDEPPEEEDGLRGGPPPAQVQASFRGWKEVTSLEFNKDDEQHLERCKSP  
 KSKGTNLRKKEELKAEKKSGFWDNLVLKQNIQSKKPDEIEGWEPKLALEDISADPEDTVGGHPSWSGW  
 DDAKGSTKYTSLASSANSRWSLRAAGRLVSIIRQSKGHLTDSPEEAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6511\\_a01.zip](https://cdn.origene.com/chromatograms/mk6511_a01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**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

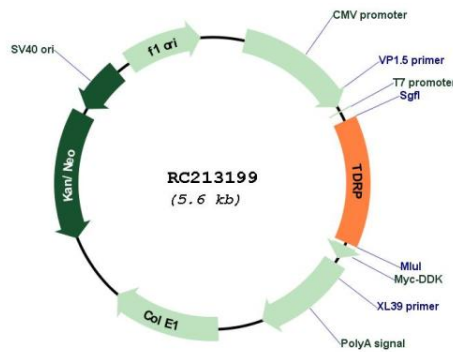
**UniProt ID:** [Q86YL5](#)

**Cytogenetics:** 8p23.3

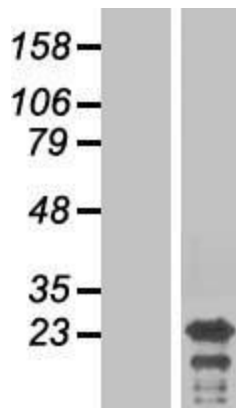
**MW:** 20.2 kDa

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

**Product images:**



Circular map for RC213199



Western blot validation of overexpression lysate (Cat# [LY406313]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213199 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TDRP protein (Cat# [TP313199]). The protein was produced from HEK293T cells transfected with TDRP cDNA clone (Cat# RC213199) using MegaTran 2.0 (Cat# [TT210002]).