

## Product datasheet for **SC101313**

### **C8orf42 (TDRP) (NM\_175075) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C8orf42 (TDRP) (NM_175075) Human Untagged Clone
Tag:	Tag Free
Symbol:	C8orf42
Synonyms:	C8orf42; Inm01; TDRP1; TDRP2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_175075, the custom clone sequence may differ by one or more nucleotides

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ATGTGGAAGCTGGGCCGGGGCCGAGTGCTGCTGGACGAGCCCCCGAGGAGGAGGACGGCCTGCGTGGGG
GGCCGCCACCGGCCCGCCGCCCGCCAGGCGCAGGTTTCAGGGAGCAAGTTTCCGAGTTGGAAAGA
AGTGACTTCACTGTTTAAACAAAGATGATGAGCAGCATCTCCTGGAAAGATGTAATCTCCCAAGTCCAAA
GGAACAACTTACGATTAAGAAGAGTTGAAGGCAGAGAAGAAATCTGGATTTGGGACAATTTGGTTT
TAAAACAGAATATACAGTCTAAAAACCAGATGAAATTGAAGTTGGGAGCCTCCAAAATTGCTCTTGA
AGACATATCGGCTGACCCTGAGGACACCGTGGGTGGCCACCCATCCTGGTCAGGCTGGGAGGATGACGCC
AAGGGCTCGACCAAGTACACCAGCCTGGCCAGCTCTGCCAACAGTCCAGGTGGAGCCTGCGCGCGGCAG
GGAGGCTGGTGGCATCCGACGGCAGAGTAAAGGCCACCTGACAGATAGCCCGGAGGAGGCGGAGTGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_175075 unedited</p> <pre>AATTTGTAAATACGACTCACTATTAGGGCGGCCGCAATTCGCACGAGGGGATTTCGGAG CCCCGTCGAATTTGGGGGTGGGTCTGGTCTGGGGAAGTTTGGGGGCGGGTCTGGTCTT CGGAAGGGTTTGGGGCGGGCCTGGTCTGAGGAGGGCTTGAGCGGGCCTGGTCTGGGG ATGTTTGGGGGCGGGCCGGTCTGGGAGGGTTTGGGGCGGGCCTGGTGGGAGGGGG CCANCNNNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCN TTCACCTCCACTCTCCCTTATCCTCCTTCTTCTTCTTCTTCTCACCCCTTCTCCCATTC CCCCCTCCACCTTTTTCTTTTTTCCCCCCTTCCCTCTTCCCTTCCCTTCCCATTTTT TCTTTTTCTTCCCCCTTTTCTCACATCAATTCTCCTTCCCTTATTATCTCTCCCTT CTTTCTCATCTTTCAACAATAACCACCTTCCCCCTTTTCCCCCCTTCTCCTTCCCC CCCCCTCCTTTACCCCTTGATATCTTCCCTTCTAATTCATCTATACTCCAACCCCAT TCAACCCCCCAACATTAACCCCACTCCATCTATTTTTTTTTTCCCCCTCTATTT CCTCCCCCCCCCTTATTTTTTCCCCCCCCACCTTCTCCTCCACGCCCTATGTT TTTTCCGCCCTCCTTATCCGCACCCATTATATTCTACTTTATTTTTCTTCCCTCTCTCT CCTCCCCGTCCCCCACCATCTTTTTTCTCCCCACACCCTTTTATTCCCTTTATTTTC TCCTGCTTCTCCTCGTCTTCTCATCTTCTTCTCACCTCTCTTTTTATT</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_175075 unedited</p> <pre>NATGGCGATGCACTTCCAGGCCAGNANGAGCACTGGGNGGGGTCACAGGGCAGCCACCC GGGATCTGTTCCAGAAACAGCTATGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTT TTTTTTTTGAGCTTAAAAACAGTATTTTTATTTTTAAAAAACCTCAACATTAAGGAGGA ACCCTTCTCTGAAGCACATCACTTCTTATTAATAAAAAAAGTACAGTAGAAGGAG CACAGGACAACCTCTTTCACACAAGGAAGCTGTGTGTTACACAATTCAAACACCAGAA TCAAAACCACATTCTCCATTAACCTTGTGAAGATAATAAATTTGCTTTGATAACTCTTT CAAGAAAAGATAATTTTTCTCCCAAAGCACCAATAAATATTTATATAAAAAACCACAG TTAATTTAATCAGGCACAGAAGAAAAAATCATTTTTACATTACTCTTTGTAGATAAAAA AATTTGATTTACAGTGCATATCCAATCCAATCTGGGTTTGTCTCAAATTTTGAGAAA TACCTAAACAATATTTTGCCAAGGTACGTCACAATTCTATGAATGCCATGAATTGCAGA CACTTAACCTTCCAACCAAGGCCCGCAAACCTAGGACCATCACAATCCCCCAAACCCAC GAAAAATGGGGAGGATTTCCCGAGCACCCACACCCGCACTTTCCCGAAAATTAACAACC GCCGAAAACCACCACCCGCCTCAACGGCCATGGTACGCGAGGCACAAATCGAACCTTGAC ATCAAACAGGCGAGATTGGGCGCCGAAACAAGCTAGGATACAGCACAAAAAGATCGCGCG CAACCGCGCACTTCCCCGGCGCAACGACGCCGGATGAGGAATAGAGGCCCAAGACA GAAAGAAGAGGAG</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_175075
<b>Insert Size:</b>	3000 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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:** 777 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]  
Transcript Variant: This variant (1, also known as TDRP1) represents the longer transcript but encodes the shorter isoform (1).