

## Product datasheet for **RG201504**

### ODR4 (C1orf27) (NM\_017847) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ODR4 (C1orf27) (NM_017847) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ODR4
Synonyms:	C1orf27; odr-4; TTG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG201504 representing NM\_017847  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGAAGAACCTACATTGTAGAAGAGACTGTTGGCCAGTATCTTCAAACATAAATCTCCAAGGAAAGG  
 CTTTTGTCTCTGGCCTTTAATAGGACAGTGTTGTCACAAAAGGATTATGTGATTCTTGCCACTAGAAC  
 GCCACCCAAAGAGGAGCAAAGTGAGAACCTCAAACATCCCAAAGCTAAGTTGGATAAATTGGATGAAGAA  
 TGGGCCACAGAACATGCCTGCCAGGTATCCAGAATGCTACCAGGGGGACTTTTAGTTCTTGGAGTATTTA  
 TTATTACTACTTTAGAAGTGGCAATGATTTTCAAATGCCCTGCGTAGACTAATGTTTGTGTGGAAAA  
 GTCTATAAATAGAAAGAGATTGTGGAATTTACAGAGGAGGAAGTCTCAGAACGAGTGACACTTCACATT  
 TGTGCTTCTACAAAAAATATTTTGTGCAACTTATGATATCCATGATCCAAAGAGTTTCAGCAAGACCAG  
 CAGATTGGAAGTATCAAAGTGGATTATCATCCTCATGGCTTTCTTTAGAGTGTACAGTTCACATTAATAT  
 TCACATCCCACTTCTGCTACTTCTGTGAGCTATACTCTGGAGAAAAATACAAAGATGGACTTACACGC  
 TGGGCCAAGGAAATAGAAAATGGTGTATTTGATTAATGGACAAGTTAAAGATGAAGATTGTGACCTAT  
 TAGAAGGACAGAAAAATCTTCTAGAGGAAATACTCAAGCAACTAGTCATTCTTTTGATGTCAGAGTGCT  
 AACGCAGTTGCTCCTGAATTCAGACCACAGATCCACAGCCACAGTCCAGATATGTAGCGTTCTGTAAAC  
 CTTAAGGGTGTGTGAAATGCAGAGCTTATATCCACAGCAGTAAACCCAAAGTTAAAGATGCTGTGCAGG  
 CAGTAAAGAGGGATATATTGAACACAGTTGCTGATCGTTGTGAAATGCTATTTGAGGATCTGTTTTGAA  
 TGAAATTCAGAAAAAAGATTCTGAAAAGAGTTCCACGTCTCCCTTATCGAGTCTTTGTTCCCTT  
 CCTGGATCCACTGTAATGTTGTGTGATTATAAATTTGACGATGAGTCAGCTGAAGAAATCAGGGACCATT  
 TTATGGAGATGTTGGATCACACAATTCAAATAGAAGATTTGAAAATGCAGAGGAAACAAACACAGCTTG  
 TATGAGTCTTCTATGAATAGTCAAGCTTCATTGGACAACACAGATGATGAACAACCAAAACAACCAATT  
 AAAACTACAATGTTATTGAAAATTCAGCAAAACATAGGTGTGATTGCAGCATTTACAGTTCAGTCTTG  
 CTGCGGGTATCTCCTTTCATTACTTCAGTGAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG201504 representing NM\_017847  
 Red=Cloning site Green=Tags(s)

MGRTYIVEETVGQYLSNINLQGKAFVSGLLIGQCSSQKDYVILATRTPPKEEQSENLKHPKAKLDNLDEE  
 WATEHACQVSRMLPGLLVLGVFIITLLELANDFQNALRRLMFAVEKSINRKRLWNFTTEEVSERVTLHI  
 CASTKKIFCRTYDIHDPKSSARPADWKYQSGLSSSLWLSLECTVHINIHIPLSATSVSYTLEKNTKNGLTR  
 WAKEIENGVYLINGQVKDEDCDLLEGQKSSRGNTQATSHSFDVRVLTQLLLNSDHRSTATVQICSGSVN  
 LKGAVKCRAYIHSKPKVKDAVQAVKRDILNTVADRCCEMLFEDLLLNEIPEKKDSEKEFHVLPYRVFVPL  
 PGSTVMLCDYKFDDESAAEIRDHFMEMLDHTIQIEDLEIAEETNTACMSSMNSQASLDNTDDEQPKQPI  
 KTTMLLKIQQNIGVIAAFTVAVLAAGISFHYFSD

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_017847

**ORF Size:** 1362 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\\_017847.6](#)

**RefSeq Size:** 3816 bp

**RefSeq ORF:** 1365 bp

**Locus ID:** 54953

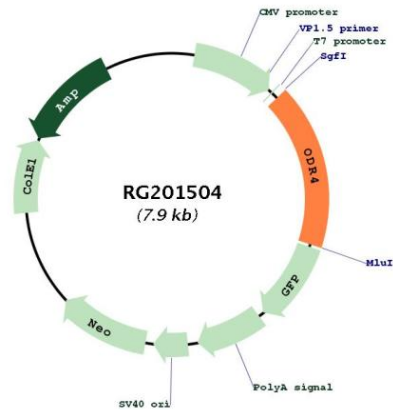
**UniProt ID:** [Q5SWX8](#)

**Cytogenetics:** 1q31.1

Protein Families: Transmembrane

Gene Summary: May play a role in the trafficking of a subset of G-protein coupled receptors.  
[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG201504