

Product datasheet for **RG228338**

ODR4 (C1orf27) (NM_001164246) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ODR4 (C1orf27) (NM_001164246) 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)
ORF Nucleotide Sequence:	>RG228338 representing NM_001164246 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGGAAGAACCTACATTGTAGAAGAGACTGTTGGCCAGTATCTTTCAAACATAAATCTCCAAGGAAAGGCTTTTGTCTCTGGCCTTTTAATAGGACAGTGTCGCACAAAAGGATTATGTGATTCTTGCCACTAGAACCACCCAAAGAGGAGCAAAGTGAGAACCTCAAACATCCCAAAGCTAAGTTGGATAAATTGGATGAAGAAATGGCCACAGAACATGCCTGCCAGCTAATGTTGCTGTGAAAAAGTCTATAAATAGAAAGAGATTGTGGAATTTACAGAGGAGGAAGTCTCAGAACGAGTGACACTTCACATTTGTGCTTCTACAAAAAATATTTGTCGAACTTATGATATCCATGATCCAAAGAGTTCAGCAAGACCAGCAGATTGGAAGTATCAAAGTGGATATCATCCTCATGGCTTTCTTTAGAGTGTACAGTTACATTAATATTCACATCCCCTTTCTGCTACTTCTGTCAGCTATACTCTGGAGAAAAATACAAAGAATGGACTTACACGCTGGGCCAAGGAAATAGAAAATGGTGTATTTTGGATTAATGGACAAGTTAAAGATGAAGATTGTGACCTATTAGAAGGACAGAAAAATCTTCTAGAGGAAATACTCAAGCAACTAGTCATTCTTTGATGTCAGAGTGCTAACGCAGTTGCTCCTGAATTCAGACCACAGATCCACAGCCACAGTCCAGATATGTAGCGGTTCTGTAAACCTTAAGGGTGTGTGAAATGCAGAGCTTATATCCACAGCAGTAAACCCAAAGTTAAAGATGCTGTGCAGGCAGTAAAGAGGGATATATTGAACACAGTTGCTGATCGTTGTGAAATGCTATTTGAGGATCTGTTTTGAATGAAATTCAGAAAAAAGATTCTGAAAAAGAGTTCACGTCCTCCCTTATCGAGTCTTTGTTCCCTTCTGGATCCACTGTAATGTTGTGTGATATAAATTTGACGATGAGTCAAGTGAAGAAATCAGGGACCATTTTATGGAGATGTTGGATCACACAATCAAATAGAAGATTTGAAATTCAGAGGAAACAAACACAGCTTGTATGAGTTCTTCTATGAATAGTCAAGCTTCATTGGACAACACAGATGATGAACAACCAAAACCAATTAATACTACAATGTTATTGAAAATTCAGCAAAACATAGGTGTGATTGCAGCATTTACAGTTGCAGTCCTTGCTGCGGGTATCTCCTTTCATTACTTCAGTGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

Protein Sequence: >RG228338 representing NM_001164246
Red=Cloning site Green=Tags(s)

MGRTYIVEETVGQYLSNINLQGKAFVSGLLIGQCSSQKDYVILATRTPPKEEQSENLKHPKAKLDNLDEE
 WATEHACQLMFAVEKSINRKRLLWNFTEEVSEKVTLHICASTKKIFCRTYDIHDPKSSARPADWKYQSGL
 SSSWLSLECTVHINIHIPLSATSVSYTELEKNTKNGLTRWAKEIENGVYLINGQVKDEDCDLLEGQKSSR
 GNTQATSHSFDVRYLTQLLLNSDHRSTATVQICSGSVNLKGAVKCRAYIHSSKPKVKDAVQAVKRDILNT
 VADRCMLFEDLLLNEIPEKDKSEKFEHVLPRVFPVPLPGSTVMLCDYKFDDSAEEIRDHFMEMLDHTI
 QIEDLEIAEETNTACMSSMNSQASLDNTDDEQPKQPIKTTMLLKIQQNIGVIAAFTVAVLAAGISFHYF
 SD

TRTRPLE - GFP Tag - V

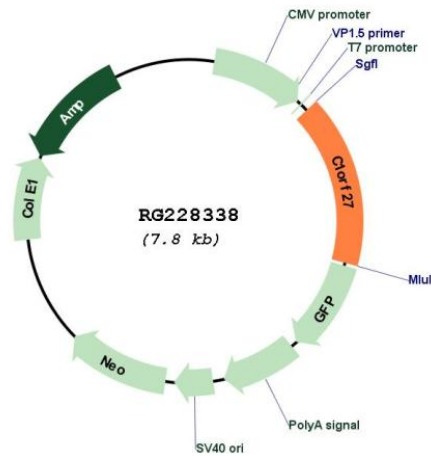
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001164246

ORF Size:	1266 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:	<ol style="list-style-type: none">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_001164246.1 , NP_001157718.1
RefSeq Size:	3830 bp
RefSeq ORF:	1269 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]