

## Product datasheet for **RG223007**

### **C1R (NM\_001733) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C1R (NM_001733) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C1R
Synonyms:	EDSPD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG223007 representing NM\_001733  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGCTCTGTACCTCCTGGTCCCGCCCTGTCTGCAGGGCAGGAGGCTCCATTCATCCCTCAGA  
 AGTTATTTGGGGAGGTGACTTCCCTCTGTTCCCAAGCCTTACCCAACAACCTTTGAAACAACCACTGT  
 GATCACAGTCCCCACGGGATACAGGGTGAAGCTCGTCTTCCAGCAGTTTACCTGGAGCCTTCTGAAGGC  
 TGCTTCTATGATTATGTCAAGATCTCTGCTGATAAGAAAAGCCTGGGGAGGTTCTGTGGGCAACTGGGTT  
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 CACAGACTTCTCAACGAGGAGAATGGGACCATCATGTTCTACAAGGGCTTCTGGCCTACTACCAAGCT  
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 TTCTGCCAGGCTGAGTGCAGCAGCGAGCTGTACACGGAGGCATCAGGCTACATCTCCAGCTGGAGTAC  
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 CTATGCCAACGGGAAGAACATTGGCGAGTTCTGTGGGAAGCAAAGGCCCCCGACCTCGACACCAGCAGC  
 AATGCTGTGGATCTGCTGTTCTTACAGATGAGTCGGGGGACAGCCGGGGCTGGAAGCTGCGCTACACCA  
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 GTACCAGTTCCTGACTACTTATTGCTACCTGCAAGCAAAGGCTACCAGCTCATAGAGGGGAACCAAGGTG  
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 GATGTGTTCTCTCAAACATGTTCTGTGCTGGACACCCATCTCTAAAGCAGGACGCTGCCAGGGGGATA  
 GTGGGGCGTTTTTGCAGTAAGGGACCCGAACACTGATCGCTGGGTGGCCACGGGCATCGTGTCTGGGG  
 CATCGGTGCAGCAGGGGCTATGGCTTCTACACCAAAGTGCTCAACTACGTGGACTGGATCAAGAAAAGAG  
 ATGGAGGAGGAGGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

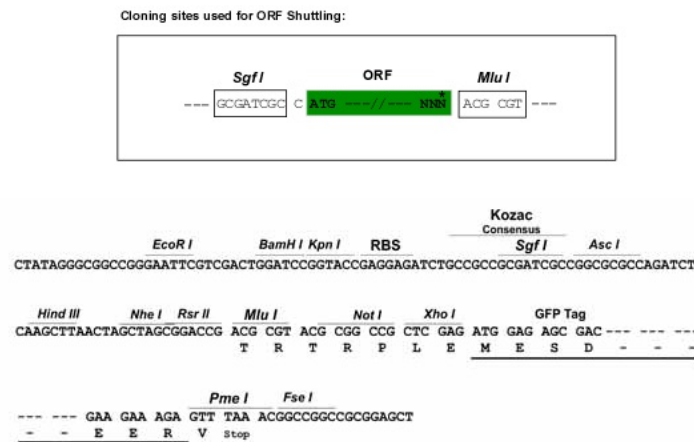
**Protein Sequence:** >RG223007 representing NM\_001733  
 Red=Cloning site Green=Tags(s)

```
MWLLYLLVPALFCRAGGSIPQPQLFGEVTSPLFPKYPNNFETTTVITVPTGYRVKLVFQQFDLEPSEG
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VDLDECASRSKLG EEDPQPQCQHLCHNYVGGYFCSCRPGYELQEDRHSCQAECSS ELYTEASGYISSLEY
PRSYPDLRCNYSIRVERGLTLHLKFL EFPDIDDHQVHCPYDQLQIYANGKNI GEF CGKQRPPDLDTSS
NAVDLLFFTDES GDSRGWKLRYTTEI IKCPQPKTLDEF TIIQNLQPQYQFRDYFIATCKQGYQLIEGNQV
LHSFTAVCQDDGTWHRAMP RCKIKDCGQPRNLPNGDFRYTTT MGVNTYKARIQYYCHEPYYKMQTRAGSR
ESEQGVYTCTAQGIWKNEQKGEKIP RCLPVC GKPVPNPVEQRQRIIGGQKAKMGNFPWQVFTNIHGRGGGA
LLGDRWILTAHTLYPKEHEAQS NASLDVFLGHTNVEELMKLGNHP IRRVSVHPDYRQDESYNFEGDIAL
LELENSVTLGPNLLPICLPDNDTFYDLGLMGYVSGFGVMEEKIA HDLRFVRLPVANPQACENWLRGKNRM
DVFSQNMFCAGHPSLKQDACQGD SGGVFAVRDPNTDRWVATGIVSWGIGCSRGYGYTKVLNYVDWIKKE
MEEED
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001733

**ORF Size:** 2115 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\\_001733.4](#), [NP\\_001724.3](#)

**RefSeq Size:** 2526 bp

**RefSeq ORF:** 2118 bp

**Locus ID:** 715

**UniProt ID:** [P00736](#)

**Cytogenetics:** 12p13.31

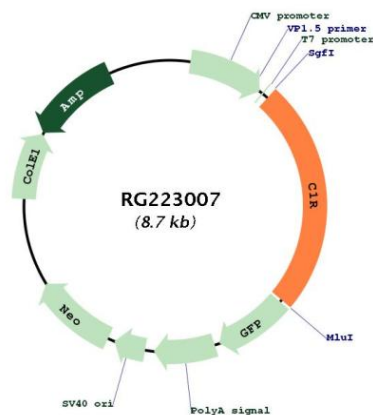
**Domains:** CCP, CUB, Tryp\_SPc, EGF\_CA, EGF

**Protein Families:** Druggable Genome, Protease

**Protein Pathways:** Complement and coagulation cascades, Systemic lupus erythematosus

**Gene Summary:** This gene encodes a member of the peptidase S1 protein family. The encoded protein is a proteolytic subunit in the complement system C1 complex. The complement system acts as a mediator in the innate immune response by ultimately triggering phagocytosis, inflammation, and rupturing the bacterial cell wall. Mutations in this gene are associated with Ehlers-Danlos Syndrome. [provided by RefSeq, Dec 2018]

### Product images:



Circular map for RG223007