

## Product datasheet for **RC238274**

### **C1RL (NM\_001297640) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C1RL (NM_001297640) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C1RL
Synonyms:	C1r-LP; C1RL1; C1RLP; CLSPa
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC238274 representing NM\_001297640  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCTGGACCCAGAGTGTGGGGAAATATCTCTGGAGAAGCCCTCACTCCAAGGCTGTCCAGGCGCAA  
 TGTGGTGGCTGCTTCTCTGGGGAGTCTCCAGGCTTGCCCAACCGGGGCTCCGTCTCTTGCCCAAGA  
 GCTACCCACAGCAGCTGACATCCCCGGGTACCCAGAGCCGTATGGCAAAGGCCAAGAGAGCAGCACGGAC  
 ATCAAGGCTCCAGAGGGCTTTGCTGTGAGGCTCGTCTTCCAGGACTTCGACCTGGAGCCGTCCCAGGACT  
 GTGCAGGGGACTCTGTACAATCTCATTCTCGTTCGGATCCAAGCCAGTTCTGTGGTCAGCAAGGCTC  
 CCCTCTGGGCAGGCCCTGGTCAGAGGGAGTTTGTATCCTCAGGGAGGAGTTTGCAGGCTGACCTCCGC  
 ACACAGCCTTCTCGGAGAACAAGACTGCCACCTCCACAAGGGCTTCTGGCCCTCTACCAAACCGTGG  
 GGGCACTACCTGTGCAACCCAGGGACCTGAAAGACAGACAGGATGGGGAGGAGTTCTTCAGTGTAT  
 GCCTGTCTGCGGACGGCCAGTCAACCCATTGCCAGAATCAGACGACCCTCGTTCTTCCAGAGCCAAG  
 CTGGGCAACTTCCCTGGCAAGCCTTACCAGTATCCACGGCCGTGGGGCGGGCCCTGCTGGGGGACA  
 GATGGATCCTCACTGCTGCCACACCATCTACCCAAGGACAGTGTCTCTCAGGAAGAACCAGAGTGT  
 GAATGTGTTCTTGGGCCACACAGCCATAGATGAGATGCTGAAACTGGGGAACCACCTGTCCACCGTGT  
 GTTGTGCACCCGACTACCGTCAGAATGAGTCCATAACTTTAGCGGGGACATCGCCCTCTGGAGCTGC  
 AGCACAGCATCCCCCTGGGCCCAACGTCTCCCGTCTGTCTGCCCGATAATGAGACCTCTACCCGAG  
 CGGCTTGTGGGTACGTAGTGGGTTTGGCATGGAGATGGGCTGGCTAACTACTGAGCTGAAGTACTCG  
 AGGCTGCCTGTAGCTCCAGGGAGGCTGCAACGCCTGGCTCCAAAGAGACAGAGACCCGAGGTGTTTT  
 CTGACAATATGTTCTGTGTTGGGGATGAGACGCAAAGGCACAGTGTCTGCCAGGGGACAGTGGCAGCT  
 CTATGTGGTATGGGACAATCATGCCCATCACTGGGTGGCCACGGCATTGTGTCTGGGGCATAGGGTGT  
 GGCGAAGGTATGACTTCTACACCAAGGTGCTCAGCTATGTGGACTGGATCAAGGGAGTGTGAATGGCA  
 AGAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238274 representing NM\_001297640  
 Red=Cloning site Green=Tags(s)

MPGPRVWGKYLWRSPHSGCPGAMWLLWVQLQACPTRGSVLLAQELPQQLTSPGYPEPYGKQESSTD  
 IKAPEGFVRLVFQDFDLEPSQDCAGDSVTISFVGSQPSQFCGQGSPLGRPPGQREFVSSGRSLRLTFR  
 TQPSSENKTAHLHKGFLLALYQTVGALTCATPGTWKDRQDGEEVLQCMVPCGRPVTPIAQNQTTLGSSRAK  
 LGNFPWQAFTSIHGRGGGALLGDRWILTAAHTIYPKDSVSLRKNQSVNVFLGHTAIDEMLKLGNHPVHRV  
 VVHPDYRQNESHNFSGDIALLELQHSIPLGPNVLPVCLPDNETLYRSGLLGYVSGFGMEMGWLTTTELKYS  
 RLPVAPREACNAWLQKRQRPEVFSNMFCVGDQETQRHSVCQGDSDGSVYVVDNHAHHWVATGIVSWGIGC  
 GEGYDFYTKVLSYVDWIKGVMNGKN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

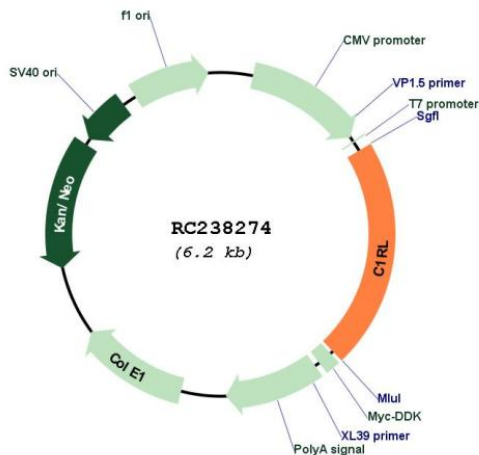
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001297640

ORF Size: 1335 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\\_001297640.2](#)

**RefSeq Size:** 3277 bp

**RefSeq ORF:** 1338 bp

**Locus ID:** 51279

**UniProt ID:** [Q9NZP8](#)

**Cytogenetics:** 12p13.31

**Protein Families:** Druggable Genome, Protease

**MW:** 49.5 kDa

**Gene Summary:** Mediates the proteolytic cleavage of HP/haptoglobin in the endoplasmic reticulum.  
[UniProtKB/Swiss-Prot Function]