

Product datasheet for **RG214158**

C1RL (NM_016546) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1RL (NM_016546) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C1RL
Synonyms:	C1r-LP; C1RL1; C1RLP; CLSPa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG214158 representing NM_016546
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCTGGACCCAGAGTGTGGGGAAATATCTCTGGAGAAGCCCTCACTCCAAGGCTGTCCAGGCGCAA
 TGTGGTGGCTGCTTCTCTGGGGAGTCTCCAGGCTTGCCCAACCCGGGGCTCCGTCTCTTGCCCAAGA
 GCTACCCACAGCAGCTGACATCCCCGGGTACCCAGAGCCGTATGGCAAAGGCCAAGAGAGCAGCAGGGAC
 ATCAAGGCTCCAGAGGGCTTTGCTGTGAGGCTCGTCTTCCAGGACTTCGACCTGGAGCCGTCAGGACT
 GTGCAGGGGACTCTGTCACAATCTATTCTCGTTCGGATCCAAGCCAGTTCTGTGGTCAGCAAGGCTC
 CCCTCTGGGCAGGCCCTGGTCCAGAGGAGTTTGTATCCTCAGGGAGGAGTTTGCAGGCTGACCTCCGC
 ACACAGCCTTCTCGGAGAACAAGACTGCCACCTTACAAGGGCTTTCTGGCCCTACCAAACCGTGG
 CTGTGAATATAGTCAGCCCATCAGCGAGGCCAGCAGGGGCTCTGAGGCCATCAACGCACCTGGAGACAA
 CCCTGCCAAGGTCAGAACCCTGCCAGGAGCCCTATTATCAGGCCGCGCAGCAGGGGCACTCACCTGT
 GCAACCCAGGGACCTGGAAAGACAGACAGGATGGGGAGGAGTTCTTCAGTGTATGCCTGTCTGCGGAC
 GGCCAGTACCCCATTCGCCAGAATCAGACGACCCCTCGGTTCTTCCAGAGCCAAGCTGGGCAACTCC
 CTGGCAAGCCTTACCAGTATCCACGGCCGTGGGGCGGGGCCCTGCTGGGGACAGATGGATCCTCACT
 GCTGCCACACCGTCTACCCCAAGGACAGTGTTCCTCTCAGGAAGAACCAGAGTGTGAATGTGTTCTTGG
 GCCACACAGCCATAGATGAGATGCTGAACTGGGAACCAACCTGTCCACCGTGTGTTGTGACCCCGA
 CTACCGTCAGAATGAGTCCATAACTTTAGCGGGGACATCGCCCTCCTGGAGCTGCAGCAGCATCCCC
 CTGGGGCCCAACGTCCTCCCGTCTGTCTGCCGATAATGAGACCCTCTACCGCAGCGGCTTGTGGGCT
 ACGTCAGTGGGTTTGGCATGGAGATGGGCTGGCTAACTACTGAGCTGAAGTACTGAGGCTGCAGGCTGAGC
 TCCAGGGAGGCCCTGCAACGCTGGCTCCAAAAGAGACAGAGACCCGAGGTGTTTTCTGACAATATGTTT
 TGTGTTGGGATGAGACGCAAAGGCACAGTGTCTGCCAGGGGACAGTGGCAGCGTCTATGTGGTATGGG
 ACAATCATGCCATCACTGGGTGCCACGGCATTGTGTCTGGGCATAGGGTGTGGCGAAGGTATGA
 CTTCTACACCAAGGTCTCAGCTATGTGGACTGGATCAAGGGAGTGTGAATGGCAAGAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG214158 representing NM_016546
 Red=Cloning site Green=Tags(s)

MPGPRVWGKYLWRSPHSGKCPGAMWLLWGLVQACPTRGSVLLAQELPQQLTSPGYPEPYGKQESSTD
 IKAPEGFVRLVFQDFDLEPSQDCAGDSVTISFVGSQPSQFCGQQGSPLGRPPGQREFVSSGRSLRLTFR
 TQPSSENKTAHLHKGFLALYQTVAVNYSQPISEASRGSEAINAPGDNPAKVQNHCEPYQAAAAGALTC
 ATPGTWKDRQDGEVLCMPVCGRPVTPIAQNQTTLGSSRAKLGTFWQAFSTIHRGGGALLGDRWILT
 AAHTVYPKDSVSLRKNQSVNVFLGHTAIDEMKLGHPVHRVVVHPDYRQNE SHNFSGDIALLELQHSIP
 LGPNVLPVCLPDNETLYRSGLLGYVSGFGMEMGWLTTTELKYSRLPVAPREACNAWLQKRQRPEVFSNDMF
 CVGDETRHSVCQGDGSGSVYVVWDNHAHHVATGIVSWGIGCGEGYDFYTKVLSYVDWIKVMNGKN

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_016546

ORF Size: 1461 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_016546.1](#), [NP_057630.1](#)

RefSeq Size: 3398 bp

RefSeq ORF: 1464 bp

Locus ID: 51279

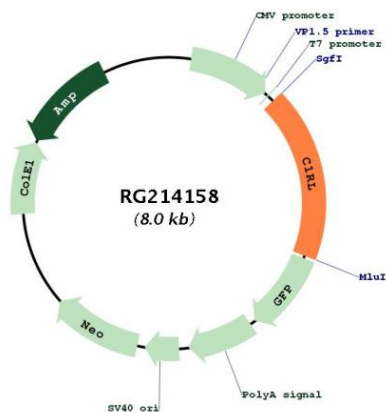
UniProt ID: [Q9NZP8](#)

Cytogenetics: 12p13.31

Protein Families: Druggable Genome, Protease

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

Product images:



Circular map for RG214158