

Product datasheet for **MG218072**

C1rl (NM_181344) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1rl (NM_181344) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C1rl
Synonyms:	C1r-LP; C1rl1; C1rlp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218072 representing NM_181344
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCAGGGTTTCAGAGCCTGGTCCAGAGCTGGAGAACAGCCTATGGAGTTCTCCACCACAAGCTGCA
 TGAGCAAGATGTGCTGGTGGCTCCTTTGGGAATCCTCCATACTTGCCCCACACAGGCCTCTGTGCTTTT
 GGCCAGCAGTACCACAGCAACTGACATCCCCTGGATACCCAGAGCCATATCTCAAAGGCCAGGAGAGC
 CACACTGACATCGAGGCTCCAGAGGGTTTGTGTGAGGCTGACCTTCCAGGACTTTGATCTGGAGCCAT
 CCCCAGACTGTGAAGGCGACTCTGTCAAAATTTCAACTGGAGGAACAGATGCAACCCGGCTGTGTGGCG
 GCAAGGTTCCCCTCTGGGAACCCTCCTGGTACAGGGAGTTGTATCTTCTGGTAGGAGCTGCGGCTG
 ACCTTCCAGGCACACTCGTCTCAAGAGCAAAATCACACACCTCCACAAAGTTTCTGGCTCTTACC
 AAGCTGTAGCTGTGAACCAACCAATGGGGACACCGAGGCTGTACCACACCCGGAGCTCCAAGATTCA
 GAACCACTGCCAAGATCCTTATTATAAGGCAGACCAGACAGGGACTTAGCTGCCATCCTCGTGAAG
 TGAAGGACAGACAGGATGGAGGAGAGGTTCTGAATGCGTGCCAGTCTGTGGAAGACCAGTCTGCCCC
 TTGCTGAGAACCACAACTTTTGGTTCTCCCGAGCTAAACTGGGCAACTTCCCCTGGCAAGCCTTAC
 CAGCATCTATGGTCGTGGGGTGGAGCCCTGCTGGGTGACAGATGGATCCTGACGGCTGCCCATACCATC
 TACCCCAAGGATAGCATCTATCTCAGAAGGAACCAAGATGTGGAAGTGTTCCTGGGTACACAGACATAG
 ACGAGCTACTGAAACTCGGAACCATCCTGTCCGTAGGGTCTGGTTACCCAGACTACCGCAACATGA
 GTCCACAACCTCAATGGAGATATTGCTCTCCTGGAACCTGAGCAGAGAGTCCCTCTGGGGCCAATCTC
 CTCCAGTCTGTCTGCCGACAACGAGACCCTCTACCACAGCGCCTGTGGGGTTACGTCAGTGGGTTTG
 GTGTGGAGATGGCTGGTTAACAACAAAGTTGAAATACTCAAACTGCCTGTAGCTCCAGGGAGGCTGT
 TGAAGCCTGGCTCCACCAGAGGCAGCAACTGAGGTGTTTTCTGACAATATGTTCTGTGTTGGGAAGAG
 ATGCAGGTGAACAGTGTCTGCCAGGAGACAGCGCAGCGTCTATGTGGTGTGGGACGATCTTGCTCTCC
 GCTGGGTGGCCACAGGCATTGTATCCTGGGCATCGGGTGTGGCAAGGGGTACGGCTTCTACACAAAGT
 GCTCAGCTACATGGATTGGATTAAGAGGGTGATTGAAGGTAAGAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG218072 representing NM_181344
 Red=Cloning site Green=Tags(s)

MSGFRGLVPELENSLWSSPTTSCMSKMCWLLWGILHTCPTQASVLLAQQSPQQLTSPGYPEPYLKQES
 HTDIEAPEGFVRLTFQDFLESPDCEGDSVTISTGGTDATRLCGRQGSPLGNPPGHREFVSSGRSLRL
 TFQAHSSSKSI THLHKGF LALYQAVAVNQPNGDEAVTTPGAPKIQNHCDPYYKADQTGLSCPSSWK
 WKDRQDGGVEPECPVPCGRPVVPLAENPNTFGSSRAKLG NFPWQAF TSIYGRGGALLGDRWILTAHTI
 YPKDSIYLRRNQNV EFLGHTDIDELLKGNHPVRRVVVHPDYRQHE SHNFNGDI ALLELEQRVPLGPNL
 LPVCLPDNETLYHSGLWGYVSGFVEMGWLT TTKLKYSKLPVAPREACEAWLHQQRTEVFSDNMFCV GEE
 MQVNSVCQGD SGSVYVVWDDLALRWVATGIVSWGIGCGKGYGFYTKVLSYMDWIKRVI EGGK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_181344

ORF Size: 1446 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_181344.5](#), [NP_851989.3](#)

RefSeq Size: 3010 bp

RefSeq ORF: 1449 bp

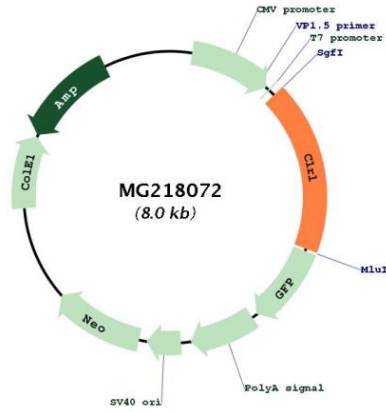
Locus ID: 232371

UniProt ID: [Q3UZ09](#)

Cytogenetics: 6 F2

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

Product images:



Circular map for MG218072