

## Product datasheet for MR203010

### Rtl6 (NM\_177630) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rtl6 (NM_177630) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rtl6
Synonyms:	BC058638; Ldoc1l; Mar6; Mart6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203010 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTCCAACCTCGGACCTCCAAAAGTAAAGCCAGCCTCTGCCCTGGTGCCAGCGCTCAGATGGATG  
ACGTAGTTGACACCCTGACCTCTCTGCGCTCACCAACTCCGCGCTGAGGCGGAGGCTCCACTGAG  
GGCGGAGAAGGCCAACCTACCAACATGCTGGAGAGTGTGATGGCCGAATAACTCTGCTGCGCACCCGA  
GCGCGCATCCCTGGCGCTCTACAGATTACTCCACCTATCTCTGCCATCACCTCCAATGGACCCGACCCA  
TGACCACGCCACCACCTCACTGCCTGAACCCTTCTCAGGAGACCCTGGACAGTTGGCAGGTTCTCTGAT  
GCAGATGGACAGGTTTCATGATTTTTCAAGCCTCCCGCTTCCCGGTGAAGCCGAGAGAGTGGCCTTCTCTG  
GTATCCCGTCTGACTGGGAGGGCGGAGAAGTGGGCCATCCCCACATGCAACCAGACAGCCCTTTCGGAA  
ACAATTACCAGGGGTTTCTGGCTGAGCTCCGCAGAACCTACAAGTCCCGCTGAGGCACTCAAGGCGAGC  
ACAAATCCGGAAGACATCCGCGTCCAATAGGGCTGTGCGGGAGCGAGAGCGGGAGCGCCAGATGTTGTGT  
CGCCAATGGCCGAGCTGGCACAGGATCCTGCCCGGTGCATCCAGCCTCCAACGGGACCAATCCCGCAC  
CAGCCTTGCCCTCTCGTGGCCGGAACCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203010 protein sequence  
Red=Cloning site Green=Tags(s)

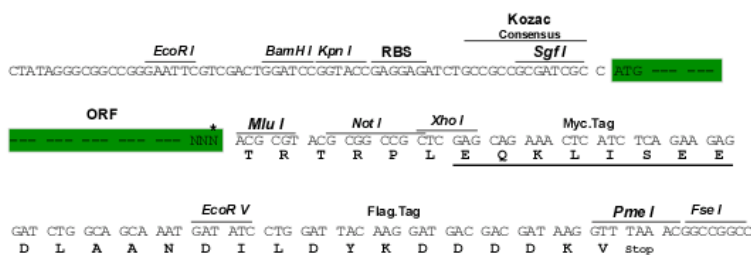
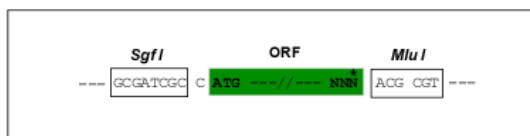
MVQPRTSKTESPASAPGASAQMDDVVDTLTSRLTNSALRREASTLRAEKANLTNMLESVMAELTLLRTR  
 ARIPGALQITPPISAITSNGRTPMTTPPTSLPEPFGDPGQLAGFLMQMDRFMIFQASRFPGEAERVAFL  
 VSRLTGEAEKWAIPHMQPDSPLRNYYQGF LAELRRTYKSPLRHSRRAQIRKTSASNRAVRERERERQMLC  
 RQLAAAGTGSCPVHPASNGTNPAPALPSRGRNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_177630

**ORF Size:** 732 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\\_177630.4](#)

**RefSeq Size:** 4447 bp

**RefSeq ORF:** 732 bp

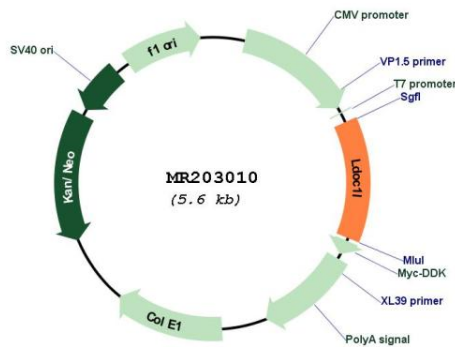
**Locus ID:** 223732

**UniProt ID:** [Q505G4](#)

**Cytogenetics:** 15 E2

**MW:** 26.7 kDa

**Product images:**



Circular map for MR203010