

## Product datasheet for MC215172

### Rtl4 (NM\_001033795) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rtl4 (NM\_001033795) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rtl4  
**Synonyms:** C230031A03Rik; Mar4; Zcchc16  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC215172 representing NM\_001033795  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGAAGTGTACAGAATCTCTACAACTTAAATGCAGAGACTTCCTTTTTGAGAGGAGGCAATCTGA  
 TTCTGCAGCCACAAGTTCAACATCCAAGTATGATAAACCTCCTATAACAGGGCAAGTTGTACCTGCCCT  
 GAATACCCAGTGTCTGGTCTTACTCAGGTGACCATATTCCTCAGTTTCATGGTAACCCAGCCAGT  
 GTCAAAGTTTTTTTGTCTCAGGTGACCCTATTTGAGGGCTCTGGATATTTCTAATCCTGCAGATAATG  
 CCCGAGTCAAGCACTTTTTGACTACCTGTACAGCAGATGCAAAATTGTGATGCCTATCTGAGTCTAC  
 CCAGAATAATCTATTGAAACAATATGAGAACTTTGTTCTTGAGTTGCAGCAATCATTTGGTGAACCAATG  
 ACACAAGAAACGACACCTCCAATGAATGTTACAGTTGACAAAAGCAACATCTCTCCACAGGATGCTACTA  
 ATTTCCAATTCATGCTCCAATTTGAGTTATCGTGAGACCAATCAGAGAGACCAGTTCCAAAATGGACA  
 AGCTGACCCCACTCAGAATGAAGAAATCACAGATATAATGGACAACCTACCAGATTTGATCACTCAGTGC  
 ATTCAGCTAGACAAAAACAAAAATAGGCCAGAGCTCCTACAGTCAGAAAGTCATGTTCCAATGTTTG  
 CTCCACAAATCATTACCAGTCTTTCATTGGCCCGTCCACTACCAAGGATGGCCCTAGACAGT  
 GCAGGGAGCCACCTGCCTGCTACTCCTGCCAAAAGAGCCGGCAGCAAGAACTCAGTTATGTGTCTAC  
 TGTAAACCAGGCTGGTCACTTCAAGAGATTGCCTTGCTAAACGTTCTAGAACTCCAGCAAGGAAAAAA  
 TG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001033795  
**Insert Size:** 915 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001033795.4</a> , <a href="#">NP_001028967.2</a>
<b>RefSeq Size:</b>	3634 bp
<b>RefSeq ORF:</b>	915 bp
<b>Locus ID:</b>	619287
<b>UniProt ID:</b>	<a href="#">Q3URY0</a>
<b>Cytogenetics:</b>	X F2
<b>Gene Summary:</b>	Involved in cognitive function in the brain, possibly via the noradrenergic system. [UniProtKB/Swiss-Prot Function]