

## Product datasheet for **MC218877**

### **Rtl3 (NM\_199468) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rtl3 (NM_199468) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rtl3
Synonyms:	D430021I08Rik; Gm375; Mar3; Mart3; ZHC5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC218877 representing NM\_199468  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTAGAGGACTTAGCAGCTTCTATGTTACTCTGAAATTGGAGAATGAAATTCGACGGCTCAAGTGA  
 AAAGGCTCATGGAAGAAAATGCTGCCCTCCAGGCCAGATACCAGAGCTCCAGAAATCCGGAGCAGTCAA  
 AGAGCATGAACCACTCCGAAAGCCCTCAGAGGCCCAAGAGCCCCAGAGTCCCCAGAGTCCCAGAGCC  
 AGGGAGTCACAGAACCCTGGGAACCCCGCAACACAGAGCCCGGGAGCCACAAAGATCAGAGAGC  
 CCAGGGAACCCTCAGCCATCAGTGAGCTCAGGGAACCCCGAGAGTCAAGGAGCCCCAGGAGCCCCAGA  
 GACCAATGAGTCTGGAGAATCCTCAGCCATCACAGAGTTCAGGGGATCCCAGAGATCAAGGAGCCCCAT  
 TTGCCCCAAAGTCCAAGGAGTACTGGGACCTCAGGAGCTTCCAATGGTCAAGGAATCCTGGGAGCCCC  
 CAGAGGCCCTGGATTCCACAGCCTGGAAGCCACCAGCAGTCAAGGAATCCCAGGAGATCCAGAAGGCTCT  
 GGAGTCCCAGCAACCCAGAGGCCCGAGCGTCCCAAGGGTTATGATCTCCAGCAGTCTGTGAGGCG  
 GAGCCACAGACAACCAGGGTACCCAGCCCTCAAGGAGCTTCAGAGTCCACAGTCCACAACCCTACAA  
 ATGATGAGGAGTCTCAGACGGTTCAGAAATACCAGGAGACCTCATCACAGCTGGAGCCCTTGAGATCC  
 ACCTCCCAGGAGACTCTGGAGCCTCGGGTGCCCCAGGAGCCCTGGACCCCTCAGATGCCGAGGAGTTT  
 CTAGAACTCTCAGTACCTGAAGAGTCCCTAGAGGGCCTGATAGTTGCGAGAACAGGAACAGAACAGGCC  
 AGTGTGAATTAGAGGCTACAACCTTGCCCTAGAGTACCTTTGGCCTTCAGTGAGGATTTTCAGAACT  
 CTCTGAGTTTTAGTTGAGTTGACCACTACCTGAGAAGCAGAGGGTATCCCACTGAAGCGGCTCTAGTG  
 AGCTTTGTTGGCAGCTTCTTCTCAGGTGAGGCGGGAAGGATGTTCCAGCCCTTATTAGATAGCCAACCC  
 CCCTGGTGGAGCAATTTGAAAGGCTCCTGCGAGCGTCCAAGATACTTTTGACAATCCAGAAAGCTTGA  
 AGTTGCTAACCCAGGGCCTCCCTCAACTTCGCCAAGGGGAAGGCCTTGCTCCAGGTACTCAACCCGCTTC  
 CATCTCATTGCGCAAGAGTTAGATTTGGGTGAAAGCACGCTCTGCATCCAATTTCAAGAAGAGCTTGCCA  
 GTTCTATTCAAAATGAACTGTCTTGACAAAGTCCAGCCACCAACCTATCTGATGTGATCATTGAGTGTGT  
 CACCCTAGAAGAGAAGGCAAGTGGCGGGTTGATTCCAGTTTCATCATCGTCTGAAGAGGAAAATGGGTCC  
 GAGGGTCTCCCACTGAAAACCAACCTGTTCAAGCTACAAGTAATCGCCCCACCTCAGCGAGGCTGAAC  
 GGGCAAGACGCCGGAAGGCCACTGTGCCTCTACTGTGCCATCCAGGTCATTTTGCCAGAGACTGCC  
 TGCAAGCCTCATCGTGTCCAGCAGGCGGGAACATGGAGGCCCGCGG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_199468

**Insert Size:** 1662 bp

**OTI Disclaimer:** 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).

**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\\_199468.1](#), [NP\\_955762.1](#)

**RefSeq Size:** 3019 bp

**RefSeq ORF:** 1662 bp

**Locus ID:** 213436

**UniProt ID:** [Q6P1Y1](#)

**Cytogenetics:** X D

**Gene Summary:** May function as a transcriptional regulator (Probable). Plays a role in postnatal myogenesis, may be involved in the regulation of satellite cells self-renewal (PubMed:27446912). [UniProtKB/Swiss-Prot Function]