

Product datasheet for **SC306484**

RTL3 (NM_152694) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RTL3 (NM_152694) Human Untagged Clone
Tag:	Tag Free
Symbol:	RTL3
Synonyms:	Mar3; Mart3; SIRH9; ZCCHC5; ZHC5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC306484 representing NM_152694.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGTGGAGGACTTAGCAGCCTCCTATATTGTTCTGAAATTGGAGAATGAAATTCGGCAGGCTCAAGTG
CAGTGGCTGATGGAAGAAAATGCTGCTCTCCAGGCCAGATCCCAGAGCTTCAGAAGTCCAAGCAGCC
AAGGAGTATGATCTACTCCGAAAAGTCTCAGAGGCCAAGGAGCCCAAGAAGCTCCCAGAGCACATGAAT
CCCCCAGCAGCCTGGGAGGCCAAAAGACCCAGAGTTCAAGGAACCCAGAAGCCACCAGAGCCACAG
GATCTTCTACCCTGGGAACCCAGCAGCCTGGGAACTCCAGGAGGCCAGCAGCCAGAGTCCCTG
GCGCTCCAGCAACCCGGGAGTCCAGAAAACCTCCAATGGCCATGAGATCCCAACAGTCTTGGAGGGC
CAGGGGCTGCAAAACCCAGGATGCCACAATAGCCCAAGAGCCCAAGAATTCAGAACCCAGGATCCC
CCAAATATTGAGAAGCCCAGGAGGCACCAGAATACCAGGAACTGCAGCACAGCTAGAGTTCCTTGAG
CTTCCACCTCCCAGGAGCCTCTGGAGCCTTCAAATGCCAGGAATTCCTAGAAGTCTCAGCAGCCAG
GAGTCCCTGGAGGTCTAATAGTTGTGGAGACATCAGCAGCTTCAGAGTTCCACAGGCCCTATTGGG
TTAGAGGCTACAGATTTCCCTGCAATACACTTAACTTCAGTGGAGATTCAGAGAAGCTTCCTGAG
TTCTTGTTTTCAGCTGTATAGTTACATGAGAGTCAGAGGGCACCTGTATCCACTGAAGCAGCCCTGGTG
AGCTTTGTTGGCAATTGCTTCTCAGGTAGGGCAGGATGGTGGTCCAGCTCTTACTGGATATCCAAAGC
CCCTTACTGGAGCAATGTGAAAGTTTCATACCTGTGCTCCAGGATACTTTTGATAATCCAGAAAACATG
AAAGATGCCAACCCAGTGCATCCATCACTCTGCCAAGGGGAGGGTTCATGTAGCAACCCACTTCCACCTC
ATTGCTCAAGAGCTGAAGTGGGATGAAAGCACTCTCTGGATCCAAATTTCAAGAAGTCTTGGCAGTTCT
ATACAAGATGAAGTGTCTCACACAAGCCAGCCACCAACCTATCTGATCTCATCACTCAGTGCATCAGC
CTGGAAGAGAAGCCTGATCCCAATCCATTAGGGAAAAGTTCCTCTGCAGAGGGAGATGGACCCGAGAGT
CCACCAGCTGAAAACCAACCTATGCAGGCTGCAATCAACTGCCACACATCAGTGAAGCTGAATGGGTC
CGTTGGCACAAAGGCCGCTTATGCCTCTACTGTGGTTATCCTGGTCATTTTGCCAGAGATTGCCCTGTC
AAGCCTCATCAGGCCCTGCAGGGCGGAAACATCCAGGCCCTGCCAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-Mlul

Plasmid Map: □

ACCN: NM_152694

Insert Size: 1428 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_152694.2](#)

RefSeq Size: 2648 bp

RefSeq ORF: 1428 bp

Locus ID: 203430

UniProt ID: [Q8N8U3](#)

Cytogenetics: Xq21.1

MW: 52.8 kDa

Gene Summary: This gene is a member of a family of gag-related retrotransposon genes. These genes appear to have lost the ability to retrotranspose; however, their open reading frames have remained intact, which may indicate that these genes have acquired new functions in the cell. [provided by RefSeq, Nov 2009]