

Product datasheet for SC300627

RTL4 (NM_001004308) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RTL4 (NM_001004308) Human Untagged Clone
Tag:	Tag Free
Symbol:	RTL4
Synonyms:	Mar4; Mart4; SIRH11; ZCCHC16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300627 representing NM_001004308. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGAGAAGTGCACGAAATCATCATCTACCATGCAGGTAGAGCCTTCCTTTCTTCAGGCAGAGAATCTG
 ATTCTGCGGCTTCAATGCAGCATCCAACACGGAGAACAAGTCTAAAAGGGGCCAAGTCATGCCTGCC
 CTGGCCACCACAGTGATGCCTGTACCACTCACTTGAGCATCTCACCCAGTTTCATGGTGACCTGCC
 AATTGCTCAGAGTTCCTCACTCAGGTGACTACCTACTTGACAGCTCTCCAAATCTCTAATCCTGCAAT
 GATGCCAGATCAAACCTTTTTTGTATTACCTATCTCAGCAGTTAGAAAGTTGTGGGATCATATCTGGG
 CCTGACAAGAGTACCTTACTGAAGCAATATGAGAATCTTATTCTTGAGTTCAGCAGTCATTTGGTAAA
 CCCACAAAACAGGAAATCAATCCTCTGATGAATGCTAAGTTTGACAAAGGAGACAACCTCTCAGCAG
 GACCCTGCTACTTCCACCTCCTCGCTCAAAATCTGATCTGTAATGAAACCAATCAGAGTGGTCAGTTC
 GAAAAGGCACTAGCTGATCCCAACAGGATGAAGAGAGTGTCACTGATATGATGGACAATCTTCCAGAC
 CTGATCACTCAGTGCATTAGTTGGACAAGAAACATAGTGACAGGCCAGAGCTCCTACAGTCAGAGACC
 CAGCTCCCATTTGTTGGCTTCCTTGATCCAACACCAAGCCCTCTTAGCCCCACAGATCCACCACCAAG
 AAAGGGCCTATACAGCTGCGAGAAGGCCAGTGCCTCTCACCCAGCCAAACGAGCCCGCCAGCAAGAA
 ACTCAGTTGTGCCTCTACTGCAGCAATCTGGTCACTTCACAAGAGATTGCCTTGCCAAACGTTCTCGA
 GCTCCGGCAACGACAAATAACACAGCTCACCAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGCCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001004308
Insert Size:	933 bp


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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:	<u>NM_001004308.2</u>
RefSeq Size:	2958 bp
RefSeq ORF:	933 bp
Locus ID:	340595
UniProt ID:	<u>Q6ZR62</u>
Cytogenetics:	Xq23
MW:	34.7 kDa
Gene Summary:	Involved in cognitive function in the brain, possibly via the noradrenergic system. [UniProtKB/Swiss-Prot Function]