

Product datasheet for **SC319315**

RTL10 (NM_024627) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RTL10 (NM_024627) Human Untagged Clone
Tag:	Tag Free
Symbol:	RTL10
Synonyms:	BOP; C22orf29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024627.5
 CTCCCCTGTGCTCCCAGCATGCCTCGTGGCCGGTGCCGTGAGCAGGGCCCTCGCATTCCC
 ATCTGGGAGCCGCAATTATGCCAACGCACATCCATGGCAGCAGATGGACAAGGCGTCT
 CCTGGGGTGGCATAACCCCCCTGTGGATCCCTGGATTGAGCGGCCCTGCTGTGGGGAC
 ACCGTGTGTGTGCGAACGACCATGGAGCAGAAGAGCACAGCTAGTGGCACTTGTGGCGGT
 AAACCTGCAGAAAGGGTCCCCTAGCTGGGCACATGCCAGCTCCCGACCCACAGGGTG
 GACTTCTGCTGGGTACCAGGCTCAGACCCAGGCACCTTTGATGGTCCCGTGGTACTG
 GACCGCTTCTTGCCAGCTGGGCGATTACATGTCCTTCCAATTTGAGCACTATCAGGAC
 AACATCAGCCGTGTCTGCGAGATCCTCAGGCGCCTAACAGGCCGAGCCAGGCCTGGGCA
 GCCCCTACCTTGATGGGGACTGCCCTGCCTGACGATTACGAGCTCTTCTGCCAGGAT
 CTCAAGGAAGTTGTTCAAGACCCGAACAGTTTTGCTGAGTACCATGCTGTGGTTACCTGT
 CCCCTGCCCTGGCTCCAGCCAGCTGCCAGTGGCCCTCAGCTGCCTGTGGTGAGGCAA
 TACTTAGCTAGTTCTTAGAGGGCTGGCACTCGACATGGGACTGCCCCAGGTCTTTA
 CCAGCCGCATGGCCACCCTGCTGTGTCTGGTCCAACCTGTATCTAGAAGTGTCTGT
 TTCGAGCAGCAGCTGACCAAGGAGAGCACCCCTGGGCCAAGGAGCCCCAGCTCTGCC
 AGTTCTACATGTAGCTCCAAGCCTGGTCTGTGGAACAGCCTCTTCCCAGCCAGAGGAG
 GCAGCCCCACACCTGTCCCTAGACTGTCGGAGTCAGCTAATCCTCCTGCCAGAGACCA
 GACCCAGCTCATCCAGGAGGTCCAAAACCCAGAAAACAGAGGAGGAGTTTTGGAGACA
 GAGGGAGACCAGGAGGTGCTTAGGTACCCACAGGAGGTGGTGGAGGCCCGGAGACC
 CCAGGAGAGCCACCATTCTCCTGGGTCTGAACACAGCCAGGTGGGAACAATGCTGC
 CCCTCATGATGAAGTGGCTGTGTGGCTTGAGCGCCCCATAGTCCCAGTCAGAGCAGAG
 TGGTGTCCCAGATGACTTCAGACCCCATAGCTGGGCAAGATGCGCTTGTTTGGACTCT
 GCGCTGAGCAGAACCAGCTCCCCAACTCCAGCAGAGCTTGACCTCCGCCCTGTGCCCTT
 TCCCTGTGCTGGCTCTCTGCTGCATCCCTGCCGTCTTCTGGGAGTGGCTCTCACCCA
 GGCTGTCTCCACGAGGGGTGTTTTGTAGATCAACTCTCAGCAGATAGTTGCATCATC
 TTTGTACCTCCACCCCATAAAACACCCCTTGGTGTCTCCACACTGGCTGGGACTG
 AACTGGTCTGCCACGTCTGCCCTGTTGGGACCTCGTTCCTGTATGGGTTTTCTGTGTCT
 GTCCCCTAGCCCCACCCTCTCTGCTCCCTGTGACTTCTGTCCCAGCTGGAATGTGAGGA
 AGGCTGCCTGGAGGAAGTGGCCACTTTGATTCTGGGGATGAGTGGGATAGCATCTTGGC
 AAAGAATGATGTTTCTGTGGGATTACCAGCAGTTCTGGGCAGCTGGAAGTTTTGGATGC
 AGGAAGGTGGGATGCAAGCCCTTGCCAGGCTCAGCTGCAGGCATTCCGCCCTTTGTGTGT
 TAACACTGTAGCTCTAATCGTGCCTGGTGTCTGAAGCAGGCTCCTCTTCCCTGTGCTG
 TGCTGCCATCCCCTGCTCACTCCGCACTCGCATGCATTGCGGATTCAGCACTTAAGCCCT
 AGTGTGTAATGACTTGGATCTCCCTCCTGGCAGACTGTGACCCTCAGCACAGGGGCTCT
 GTCTTAGTCAGCTCTGTGGCCTGGTACACAATTGGTGCTCATTAAACACGTGTTGGATTA
 CTGGCAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_024627

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_024627.5](#), [NP_078903.3](#)

RefSeq Size: 6693 bp

RefSeq ORF: 1095 bp

Locus ID: 79680

UniProt ID: [Q7L3V2](#)

Cytogenetics: 22q11.21

Gene Summary: Could induce apoptosis in a BH3 domain-dependent manner. The direct interaction network of Bcl-2 family members may play a key role in modulation RTL10/BOP intrinsic apoptotic signaling activity.[UniProtKB/Swiss-Prot Function]