

Product datasheet for **RG203371**

RTL10 (NM_024627) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RTL10
Synonyms:	BOP; C22orf29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG203371 representing NM_024627
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTCGTGGCCGGTGCCGTGAGCAGGGCCCTCGCATTCCCATCTGGGCAGCCGCCAATTATGCCAACG
CACATCCATGGCAGCAGATGGACAAGGCGTCTCCTGGGGTGGCATACACCCCTTGTGGATCCCTGGAT
TGAGCGGCCCTGCTGTGGGGACACCGTGTGTGTGCGAACGACCATGGAGCAGAAGAGCACAGCTAGTGCC
ACTTGTGGCGGTAAACCTGCAGAAAGGGTCCCTAGCTGGGCACATGCCAGCTCCCGACCCACAGGG
TGGACTTCTGCTGGGTACAGGCTCAGACCCAGGCACCTTTGATGGCTCCCGTGGCTACTGGACCGCTT
CTTGGCCAGCTGGGCGATTACATGTCCTTCCACTTTGAGCACTATCAGGACAACATCAGCCGTGTCTGC
GAGATCCTCAGGCGCTAACAGGCCGAGCCAGGCCTGGGCAGCCCTACCTTGATGGGGACCTGCCCC
TGCCTGACGATTACGAGCTTCTGCCAGGATCTCAAGGAAGTTGTTCAAGACCCGAACAGTTTTGCTGA
GTACCATGCTGTGTTACCTGTCCCTGCCCCTGGCCTCCAGCCAGCTGCCAGTGCCCTCAGCTGCCT
GTGGTGAGGCAATACTTAGCTAGGTTCTTAGAGGGCCTGGCACTCGACATGGGTACTGCCCCAGGTCTT
TACCAGCCGCCATGGCCACCCCTGCTGTGTCTGGGTCCAACCTGTATCTAGAAGTGCTCTGTTTCGAGCA
GCAGCTGACCAAGGAGAGCACCCTGGGCCCAAGGAGCCCCAGTCTGCCAGTTCTACATGTAGCTCC
AAGCCTGGTCTGTGGAACGACCTTCTCCAGCCAGAGGAGGAGCCCCACACCTGTCCCTAGACTGT
CGGAGTCAGCTAATCCTCCTGCCCAGAGACAGCCAGCTCATCCAGGAGGTCCAAAACCCAGAAAAC
AGAGGAGGAGGTTTTGGAGACAGAGGAGACAGGAGGTGCTTAGGTACCCACAGGAGGTGGTGGAG
GCCCCGAGACCCAGGAGAGCCACCACTTCTCTGGGTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



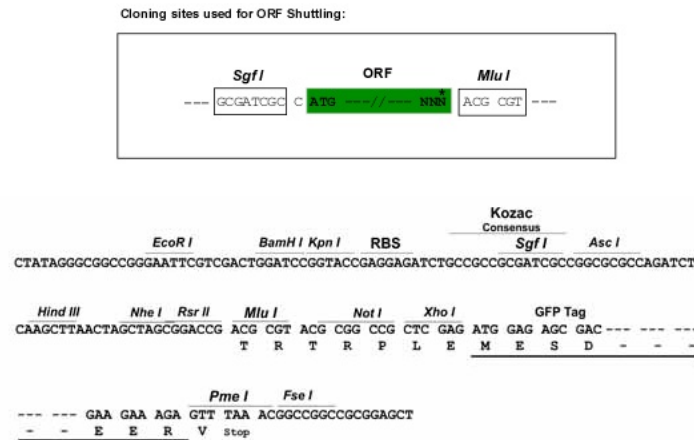
Protein Sequence: >RG203371 representing NM_024627
Red=Cloning site Green=Tags(s)

MPRGRCRQQGPRIPIWAAANYANAHWPQQMDKASPGVAYTPLVDPWIERPCCGDTVCRVTTEQKSTASG
TCGGKPAERGPLAGHMPSSRPHRVDFCWVPGSDPGTFDGSPLLDRFLAQLGDYMSFHEHYQDNISRV
EILRRLTGRAQAWAAPYLDGDLPLDDYELFCQDLKEVVQDPNSFAEYHAVVTCPLPLASSQLPVAPQLP
VVRQYLARFLEGLALDMGTAPRSLPAAMATPAVSGSNSVSRSALFEQQLTKESTPGPKPEPVLPSSTCSS
KPGPVEPASSQPEEAATPVPRLSANPPAQRDPAPHPGGPKPKTEEEVLETEGDQEVSLGTPQEVVE
APETPGEPLSPGF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024627

ORF Size: 1092 bp

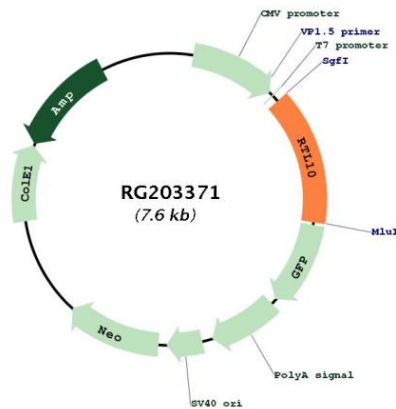
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_024627.6</u>
RefSeq Size:	6693 bp
RefSeq ORF:	1095 bp
Locus ID:	79680
UniProt ID:	<u>Q7L3V2</u>
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]

Product images:



Circular map for RG203371