

Product datasheet for **RG200766**

RIBC2 (NM_015653) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIBC2 (NM_015653) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RIBC2
Synonyms:	C22orf11; TRIB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200766 representing NM_015653 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAGGCAAAATGACAAAATCATGTGCATATTGGAAAACCGGAAAAAGAGGGATAGGAAAAATCTCTGTA
GGGCTATCAATGACTTCCAACAGAGCTTTCAGAAGCCAGAACTCGCCGTGAATTTGATCTGTCCGACCC
CCTAGCCCTTAAGAAAGATCTTCAGCCCGGCAGTCAGATAATGATGTTTCGGAATACGATATCAGGAATG
CAGAAATTCATGGGAGAGGATTTAACTTCCATGAGAGGAAGAAATCCAAGAGGAACAAAACAGAGAAT
GGTCTTTGCAGCAGCAAAGGGAATGGAAGAACGCCGTGCTGAACAAAAATGCGCAGAGGCCCTCTACAC
AGAGACAAGGCTGCAGTTTGACGAGACAGCCAAGCACCTCCAGAAGCTGGAAAGCACCACCAGAAAGGCA
GTTTGTGCATCTGTGAAAGACTTCAACAAGAGCCAGGCCATCGAGTCAGTGGAAAGGAAAAAGCAAGAGA
AAAAGCAAGAACAAGAGGACAACCTTGCCGAGATCACCAACCTCCTGCGTGGGGACCTGCTCTCCGAGAA
CCCGCAGCAGGCAGCCAGCTCCTTCGGGCCCCACCGCGTGGTCCCTGACCGCTGGAAGGGCATGACCCAG
GAGCAGCTGGAGCAGATCCGCCTAGTCCAGAAGCAGCAATCCAGGAGAAGCTGAGGCTCCAGGAAGAAA
AGCGCCAGCGAGACCTGGACTGGGACCGCGGAGGATTCAGGGGGCTCGCGCCACCCTGCTGTTTGAGCG
GCAGCAGTGGCGGCGCAGCGACCTGCGCAGAGCTCTGGACAGCAGCAACCTCAGCCTGGCCAAGGAG
CAGCATTTGCAGAAAAATATATGAATGAAGTCTATACAAATCAACCCACGGGAGACTATTTACACAAT
TTAATACAGGAAGTCGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200766 representing NM_015653
 Red=Cloning site Green=Tags(s)

MRQNDKIMCILENRKKRDRKNLCRAINDFQQSFQKPETRREFDLSDPLALKKDLPARQSDNDVRNTISGM
 QKFMGEDLNFHERKKFQEEQNREWSLQQQREWKNARAEQKCAEALYTETRLQFDETAHLQKLESTTRKA
 VCASVKDFNKSQAIESVERKKQEKKEQEDNLAEITNLLRGDLLSENPPQAASSFGPHRVVPDRWKGMTQ
 EQLEQIRLVQKQIQEKLRLQEEKRQRDLWDRRRIQGARATLLFERQQWRRQRDLRRALDSSNLSLAKE
 QHLQKKYMNEVYTNQPTGDYFTQFNTGSR

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015653

ORF Size: 927 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: [NM_015653.2](#), [NP_056468.1](#)

RefSeq Size: 1396 bp

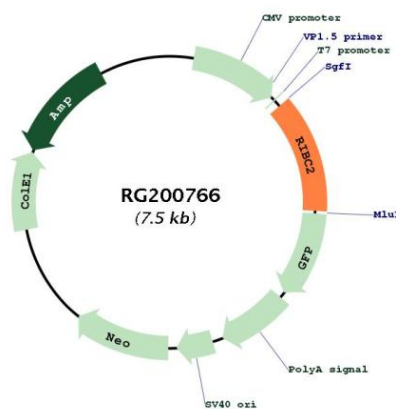
RefSeq ORF: 1149 bp

Locus ID: 26150

UniProt ID: [Q9H4K1](#)

Cytogenetics: 22q13.31

Product images:



Circular map for RG200766