

Product datasheet for **RC200766**

RIBC2 (NM_015653) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIBC2 (NM_015653) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RIBC2
Synonyms:	C22orf11; TRIB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200766 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAGGCAAAATGACAAAATCATGTGCATATTGGAAAACCGAAAAAGAGGGATAGGAAAAATCTCTGTA
 GGGCTATCAATGACTTCCAACAGAGCTTTCAGAAGCCAGAACTCGCCGTGAATTTGATCTGTCCGACCC
 CCTAGCCCTTAAGAAAGATCTTCAGCCCGGCAGTCAGATAATGATGTTTCGGAATACGATATCAGGAATG
 CAGAAATTCATGGGAGAGGATTTAACTTCCATGAGAGGAAGAAATCCAAGAGGAACAAAACAGAGAAT
 GGTCTTTGCAGCAGCAAAGGGAATGGAAGAACGCCGTGCTGAACAAAAATGCGCAGAGGCCCTCTACAC
 AGAGACAAGGCTGCAGTTTGACGAGACAGCCAAGCACCTCCAGAAGCTGGAAAGCACCACCAGAAAGGCA
 GTTTGTGCATCTGTGAAAGACTTCAACAAGAGCCAGGCCATCGAGTCAGTGGAAAGGAAAAAGCAAGAGA
 AAAAGCAAGAACAAGAGGACAACCTTGGCCGAGATCACCAACCTCCTGCGTGGGGACCTGCTCTCCGAGAA
 CCCGCAGCAGGCAGCCAGCTCCTTCGGGCCCCACCGCGTGGTCCCTGACCGCTGGAAGGGCATGACCCAG
 GAGCAGCTGGAGCAGATCCGCCTAGTCCAGAAGCAGCAATCCAGGAGAAGCTGAGGCTCCAGGAAGAAA
 AGCGCCAGCGAGACCTGGACTGGGACCGCGGAGGATTAGGGGGCTCGCGCCACCCTGCTGTTTGAGCG
 GCAGCAGTGGCGGCGGACGCGACCTGCGCAGAGCTCTGGACAGCAGCAACCTCAGCCTGGCCAAGGAG
 CAGCATTTGCAGAAAAATATATGAATGAAGTCTATACAAATCAACCCACGGGAGACTATTTACACAAT
 TTAATACAGGAAGTCGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC200766 protein sequence
 Red=Cloning site Green=Tags(s)

MRQNDKIMCILENRKKRDRKNLCRAINDFQQSFQKPETRREFDLSDPLALKKDLPARQSDNDVRNTISGM
 QKFMGEDLNFHERKKFQEEQNREWSLQQQREWKNARAEQKCAEALYTETRLQFDETAHLQKLESTTRKA
 VCASVKDFNKSQAIESVERKKQEKKEQEDNLAEITNLLRGDLLSENPPQAASSFGPHRVVPDRWKGMTQ
 EQLEQIRLVQKQIQEKLRLQEEKRQRDLWDRRRIQGARATLLFERQQWRRQRDLRRALDSSNLSLAKE
 QHLQKKYMNEVYTNQPTGDYFTQFNTGSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6395_h11.zip

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: 1405 bp

RefSeq ORF: 1149 bp

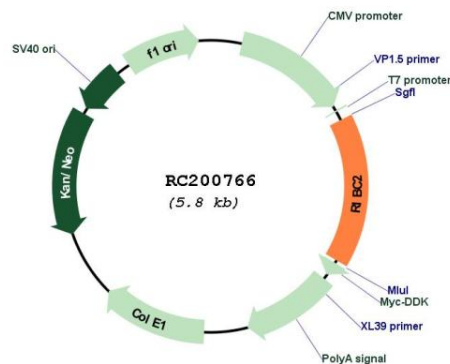
Locus ID: 26150

UniProt ID: [Q9H4K1](#)

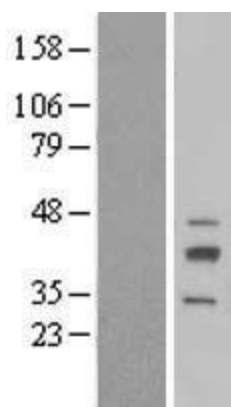
Cytogenetics: 22q13.31

MW: 37.1 kDa

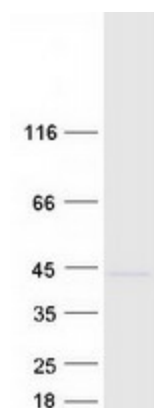
Product images:



Circular map for RC200766



Western blot validation of overexpression lysate (Cat# [LY414414]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200766 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RIBC2 protein (Cat# [TP300766]). The protein was produced from HEK293T cells transfected with RIBC2 cDNA clone (Cat# RC200766) using MegaTran 2.0 (Cat# [TT210002]).