

Product datasheet for **RC215177**

CABLES2 (NM_031215) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CABLES2 (NM_031215) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CABLES2
Synonyms:	C20orf150; dj908M14.2; ik3-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC215177 representing NM_031215
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCCGCGCGCCGCGCCGGTGGAGCCCCGGGCCCGGCCCGGCCCGCGGGCCCCGCCACCCGCCG
 CGCCGACCTCGGCCGCTCGGGCCCCGCCGAGGCGCTGCGGAGGCGCGGGGACTCGCGGCCCGCCAGGC
 CGCGCTTTTCTTCTCAACAACATCTCCCTGGACGGGCGGCCCGAGCCTGGGCGCGGAGAGAAG
 CCCCCGCCGCGCCGCGAGGCCCGCGAACCGCCAGCGCGCGCGCGGAGCCCCACCGGGCTGC
 CCGCCAGGACCCCGCGCCCGAGGGCTGCTCAGCCCCACGAGGTGCCACCGGCTCGGCTGGATGG
 GCAGCGCCAGAGAAGCGAGTACGTCCAGCGCTGCTCCCTGGAGTTTCTGGAAGATGCCGTGGGATGC
 GCTCCAGCACAGAGAACCAACACATCTGGATACCGAGACATAAAGGCCTGAAGAAGACCCACTTCA
 TCAAGAACATGAGGCAGTACGACACCAGGAACAGCAGGATCGTGCTCATCTGTGCCAAGCGGTCCCTGTG
 CGCGGCCTTCTCGTCTGCCCTATGGGAAGGCCTGCGGATCAGTGACCTGAGGGTGGACAGCCAGAAG
 CAGAGGACCCGTCGCGCGCGCTCTCTGTGTCTCCGAGATGGTCTTTGAGCTAGAAGGTGTGGAGCTAG
 GAGCAGACGGGAAGTCTGTCTTATGCGAAGTTCCTGTATCCCACCAACGCCCTGGTCACACACAAGAG
 TGACAGCCATGGCTGCTGCCACACCTCGGCCAGTGTCCCCGGACTCTGCCAGGGTCAAGACATAAA
 CCTGCCCCACCAAGTCGGCACCAGCCAGCACAGAACTAGGGAGTGACGTGGGGGACACCTGGAGTACA
 ACCCAACCTCCTGGATGACCCGAGTGGCCCTGCGGCAAGCACAAACGTGTCTCATCTTTGCGTCGTA
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 AAGTTCCTCCATGTCAAACCTGACGCTGAGCAAAATCAGGAGCTTAAAGCGGGAGATGCGGAGCCTGTCGG
 AGGAGTGCAGCCTGGAGCCCGTGACGGTGGCCATGGCCTACGTGTACTTTGAGAAGCTGGTCTGCAGGG
 CAAGCTCAGCAAACAGAACCGCAAGCTGTGCGCTGGCGCCTGCGTGTCTGGCTGCCAAGATCAGCAGT
 GACCTGCGCAAGAGCGCGTGACGCAGCTCATCGATAAGTTAGAAGAAAGGTTTCGATTCAACAGGCGCG
 ACCTGATAGGTTTGAGTTCACAGTGCTCGTGGCCTTGAGAGTGGCCCTGTATCTTCCGAGAACCAAGT
 GTTACCTCATTACAGGCGCCTACCCAGCAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

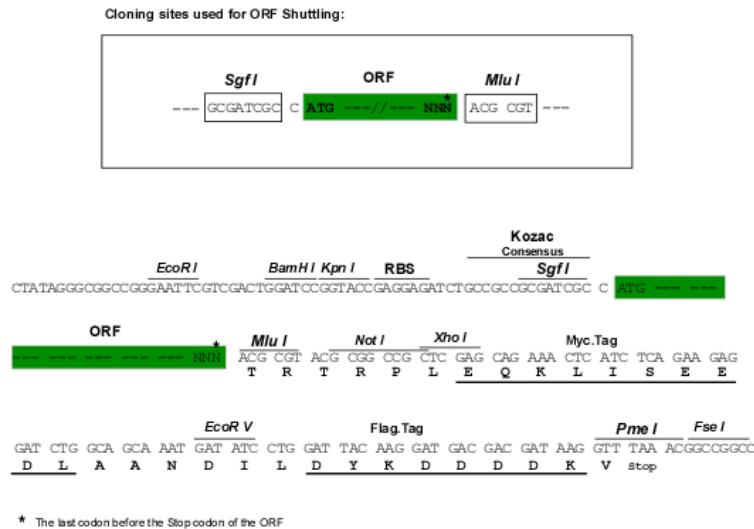
>RC215177 representing NM_031215
 Red=Cloning site Green=Tags(s)

MAAAAAGGAPGPAPGPAGPPPPAAPTSAARAPPQALRRRGDSRRRQAALFFLNINSLDGRPPSLGPGGEK
 PPPPPAEAREPPAPPPPEPPTGLPARTPAPQGLLSPTQVPTGLGLDGQRQRKRVTSQRCSLEFLEDAVGC
 APAQRKHTSGSPRHKLKTHFIKNMRQYDTRNSRIVLCAKRSKCAAFSVLPYGEGLRISDLRVDSQK
 QRHPSGGVSVSEMVFELEGVELGADGKVVSYAKFLYPTNALVTHKSDSHGLLPTRPSVPRTLPGSRHK
 PAPTSAAPASTELGSDVGDLEYNPNLLDDPQWPCGKHKRVLIFASYMTTVIEYVKPSDLKMDMNETFRE
 KFPVHKLTLKIRSLKREMRSLSEECLEPVTVMAYVYFEKLVLGKLSKQNRKLCAGACVLLAAKISS
 DLRKSGVTQLIDKLEERFRNRDLIGFEFTVLVALELALYLPENQVLPHYRRLTQQF

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_031215

ORF Size: 1434 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_031215.2](#), [NP_112492.2](#)

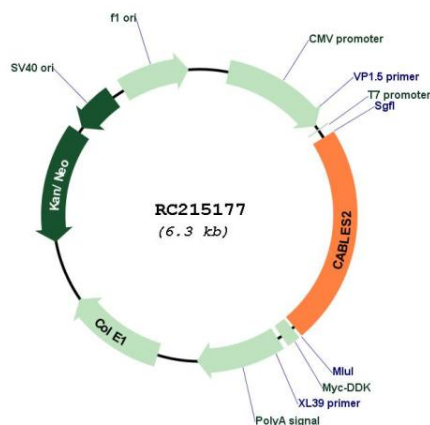
RefSeq Size: 3785 bp

RefSeq ORF: 1437 bp

Locus ID: 81928

UniProt ID: Q9BTV7
 Cytogenetics: 20q13.33
 MW: 52.1 kDa
 Gene Summary: Unknown. Probably involved in G1-S cell cycle transition.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC215177