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Product datasheet for RG215177

CABLES2 (NM_031215) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CABLES2 (NM_031215) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CABLES2
Synonyms:	C20orf150; dJ908M14.2; ik3-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

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ORF Nucleotide Sequence:

>RG215177 representing NM_031215
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGCGGCCGCGGCCGGTGGAGCCCCGGGCCCGGCCCCCGGCCCCGCCGGGCCCCCGCCACCCGCCG
CGCCGACCTCGGCCGCTCGGGCCCCGCCGCAGGCGCTGCGGAGGCGCGGGGACTCGCGGCGCCGCCAGGC
CGCGCTTTTCTTCCTCAACAACATCTCCCTGGACGGGCGGCCCCCGAGCCTGGGCCCGGGCGGAGAGAAG
CCCCCGCCGCCGCCCGCCGAGGCCCGCGAACCGCCAGCGCCGCCGCCGCCGGAGCCCCCCACCGGGCTGC
CCGCCAGGACCCCCGCGCCCCAGGGCCTGCTCAGCCCCACGCAGGTGCCCACCGGCCTCGGCCTGGATGG
GCAGCGCCAGAGGAAGCGAGTCACGTCCCAGCGCTGCTCCCTGGAGTTTCTGGAAGATGCCGTGGGATGC
GCTCCAGCACAGAGAACCAAACACACATCTGGATCACCGAGACATAAAGGCCTGAAGAAGACCCACTTCA
TCAAGAACATGAGGCAGTACGACACCAGGAACAGCAGGATCGTGCTCATCTGTGCCAAGCGGTCCCTGTG
CGCGGCCTTCTCGGTCCTGCCCTATGGGGAAGGCCTGCGGATCAGTGACCTGAGGGTGGACAGCCAGAAG
CAGAGGCACCCGTCCGGCGGCGTCTCTGTGTCTTCCGAGATGGTCTTTGAGCTAGAAGGTGTGGAGCTAG
GAGCAGACGGGAAGGTCGTGTCTTATGCGAAGTTCCTGTATCCCACCAACGCCCTGGTCACACACAAGAG
TGACAGCCATGGCCTGCTGCCCACACCTCGGCCCAGTGTCCCCCGGACTCTGCCAGGGTCAAGACATAAA
CCTGCCCCCACCAAGTCGGCACCAGCCAGCACAGAACTAGGGAGTGACGTGGGGGACACCCTGGAGTACA
ACCCCAACCTCCTGGATGACCCGCAGTGGCCCTGCGGCAAGCACAAACGTGTCCTCATCTTTGCGTCGTA
CATGACCACAGTGATAGAATACGTGAAGCCCTCAGACCTCAAAAAGGACATGAACGAGACCTTCAGGGAG
AAGTTCCCCCATGTCAAACTGACGCTGAGCAAAATCAGGAGCTTAAAGCGGGAGATGCGGAGCCTGTCGG
AGGAGTGCAGCCTGGAGCCCGTGACGGTGGCCATGGCCTACGTGTACTTTGAGAAGCTGGTCCTGCAGGG
CAAGCTCAGCAAACAGAACCGCAAGCTGTGCGCTGGCGCCTGCGTGCTGCTGGCTGCCAAGATCAGCAGT
GACCTGCGCAAGAGCGGCGTGACGCAGCTCATCGATAAGTTAGAAGAAAGGTTTCGATTCAACAGGCGCG
ACCTGATAGGGTTTGAGTTCACAGTGCTCGTGGCCTTGGAGCTGGCCCTGTATCTTCCCGAGAACCAAGT
GTTACCTCATTACAGGCGCCTCACCCAGCAGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

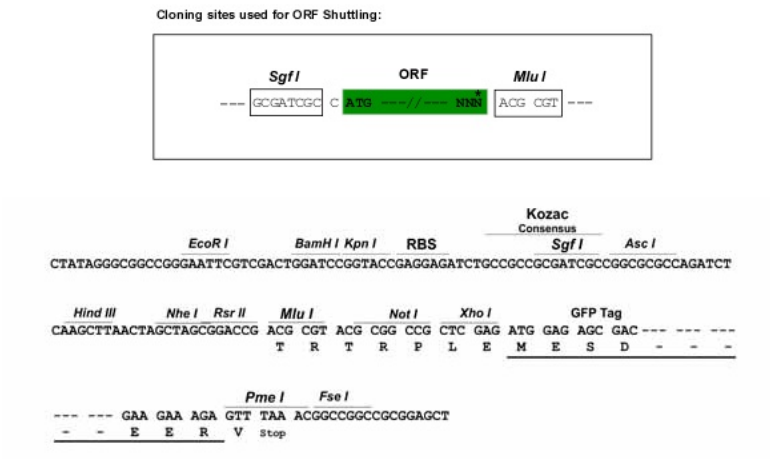
>RG215177 representing NM_031215
Red=Cloning site Green=Tags(s)

MAAAAAGGAPGPAPGPAGPPPPAAPTSAARAPPQALRRRGDSRRRQAALFFLNNISLDGRPPSLGPGGEK
PPPPPAEAREPPAPPPPEPPTGLPARTPAPQGLLSPTQVPTGLGLDGQRQRKRVTSQRCSLEFLEDAVGC
APAQRTKHTSGSPRHKGLKKTHFIKNMRQYDTRNSRIVLICAKRSLCAAFSVLPYGEGLRISDLRVDSQK
QRHPSGGVSVSSEMVFELEGVELGADGKVVSYAKFLYPTNALVTHKSDSHGLLPTPRPSVPRTLPGSRHK
PAPTKSAPASTELGSDVGDTLEYNPNLLDDPQWPCGKHKRVLIFASYMTTVIEYVKPSDLKKDMNETFRE
KFPHVKLTLSKIRSLKREMRSLSEECSLEPVTVAMAYVYFEKLVLQGKLSKQNRKLCAGACVLLAAKISS
DLRKSGVTQLIDKLEERFRFNRRDLIGFEFTVLVALELALYLPENQVLPHYRRLTQQF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

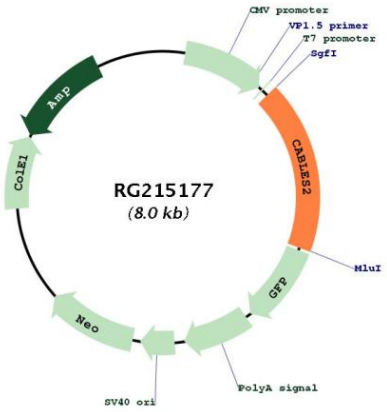


ACCN:	NM_031215
ORF Size:	1434 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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.
RefSeq:	NM_031215.2, NP_112492.2
RefSeq Size:	3785 bp
RefSeq ORF:	1437 bp
Locus ID:	81928
UniProt ID:	Q9BTV7

Cytogenetics: 20q13.33

Gene Summary: Unknown. Probably involved in G1-S cell cycle transition.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG215177