

Product datasheet for **RG208046**

CWC15 (NM_016403) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CWC15 (NM_016403) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CWC15
Synonyms:	AD002; C11orf5; Cwf15; HSPC148; ORF5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208046 representing NM_016403 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAACAGCAGCCAGGCCAACCTTTGAACCTGCCAGAGGTGGAAGGGGAAAAGGAGAAGGTGATTTGA
GCCAACTTTCAAAGCAGTATTCAAGCAGAGACCTACCCTCTCATACAAAGATAAAATACAGACAGACTAC
TCAGGATGCCCTGAAGAGGTTTCGTAACCGTGACTTCAGGAGAGAGTTGGAAGAAAGAGAGAGAGCTGCT
GCAAGAGAGAAAAATAGGGATCGTCCAACCCGAGAACATAACAACCTCCTTTCAGTGTCAAAAAAGCCAC
GGTTAGACCAGATTCCTGCCGCAACCTTGATGCAGATGACCCTAACAGATGAGGAAGATGAAGATTT
TGAAAGAAGAAAGTGATGATGATGATACTGCAGCTCTTCTTGCAAGAACTGGAAAAAATAAAAAAGAAAGA
GCTGAAGAGCAGGCCAGGAAGGAACAAGAACAAGCTGAAGAAGAGAGGATTCGATGGAAAACATTC
TGAGCGGAAACCTCTCCTTAATCTCACTGGCCATCCCAGCCTCAGGCCAACTCAAAGTTAAAAGAAG
GTGGGATGATGACGTTGTCTTCAAGAAGTGTGCAAAAGGTGTAGATGACCAGAAGAAAGACAAAAGATTT
GTAATGACACACTGCGATCTGAATTTCAAAAAAGTTTCATGGAGAAATATATTTAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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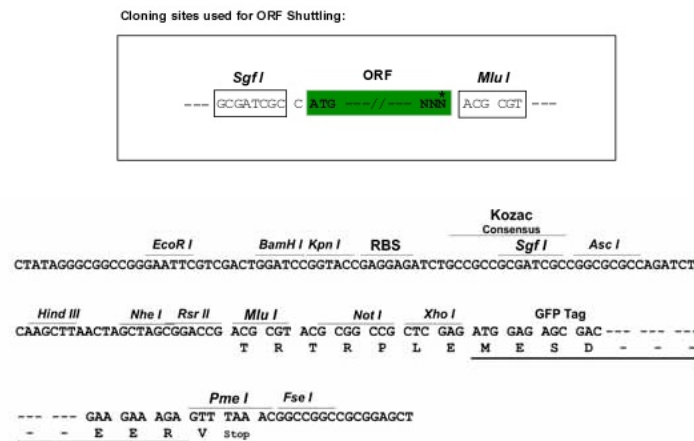
Protein Sequence: >RG208046 representing NM_016403
 Red=Cloning site Green=Tags(s)

MTTAARPTFEPARGGRGKGGDLSQLSKQYSSRDLPSTHKIKYRQTTQDAPEEVNRDRFRRELEERERAA
 AREKNRDRPTREHTTSSSVSKPRLDQIPAANLDADDPLTDEEDEDFFEEESDDDDTAALLAELEKIKKER
 AEEQARKEQEQAEEERIRMENILSGNPLLNLTGPSQPQANFKVKRRWDDVVFKNCAKGVDDQKKDKRF
 VNDTLRSEFHKKFMEKYIK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016403

ORF Size: 687 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_016403.4](#)

RefSeq Size: 1046 bp

RefSeq ORF: 690 bp

Locus ID: 51503

UniProt ID: [Q9P013](#)

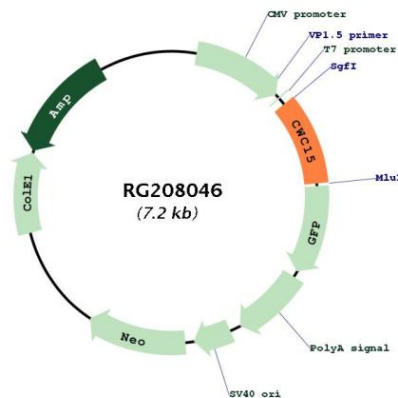
Cytogenetics: 11q21

Domains: Cwf_Cwc_15

Protein Pathways: Spliceosome

Gene Summary: Involved in pre-mRNA splicing as component of the spliceosome (PubMed:28502770, PubMed:28076346). Component of the PRP19-CDC5L complex that forms an integral part of the spliceosome and is required for activating pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208046