

Product datasheet for **RG203096**

CGR19 (CGRRF1) (NM_006568) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CGR19 (CGRRF1) (NM_006568) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CGR19
Synonyms:	CGR19; RNF197
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203096 representing NM_006568 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGCGGTGTTTCTGGTAACGCTTTATGAATACTCGCCGCTTTTCTACATCGCGGTGGTCTTTACCT
 GCTTCATCGTGACCACCGCCTGGTATTGGGATGGTTGGTTGGGATGTTCCAGTAATTCTGAGAAATTC
 AGAAGAGACCCAGTTCAGCACAGAGTTTTCAAAAAGCAAATGAGACAAGTCAAGAATCCTTTGGCTTA
 GAGATCACTAATCCATCTTCAGCTTCAATTACAACCTGGCATAACCTTGACAACAGATTGCCTTGAAGATA
 GCCTCCTTACATGCTACTGGGGTGCAATGTTCAAAAATTATATGAAGCTCTGCAGAAGCATGTTTATTG
 CTTCAGAATAAGCACTCCCAAGCATTAGAAGATGCTCTGTATAGTGAATATCTCTATCAGGAACAGTAT
 TTTATTAAGGATAGCAAGAAGAAATATATTGCCAGTTACCAAGAGATACTAAAATTGAAGACTTTG
 GTACAGTACCCAGATCTCGCTATCCATTGGTAGCGCTATTGACCTTAGCTGATGAGGATGACCGGAAAT
 TTATGATATTATTTCCATGGTGTGTCAGTGATTATTCCTGATAGGACTTATAAACTATCCTGCAGAATA
 TTGTATCAATATTTACTCTTGGCTCAAGGTCAATTTATGATCTTAAGCAACTTTTCATGCTGCAATA
 ATAATTTCACTCCCTCCAACAATTCCTCTCAGAAGAAAAAACACAGACAGAAGTTTGTGGAAAAGGT
 GGGACTCTCTGAAAGTGAAGTTGAGCCATCGGAAGAGAACAGCAAGGACTGTGTTGTTGGCAGAATGGG
 ACTGTGAAGTGGTACTCTTACCATGCAGACACATGCCTGTGTGATGGCTGTGTGAAGTATTTTCAGC
 AGTGCCCAATGTGAGGAGTTTGTTCAGGAATCTTTGCACTTTGCAGTCAAAAAGAGCAAGATAAAGA
 CAAACCGAAGACTCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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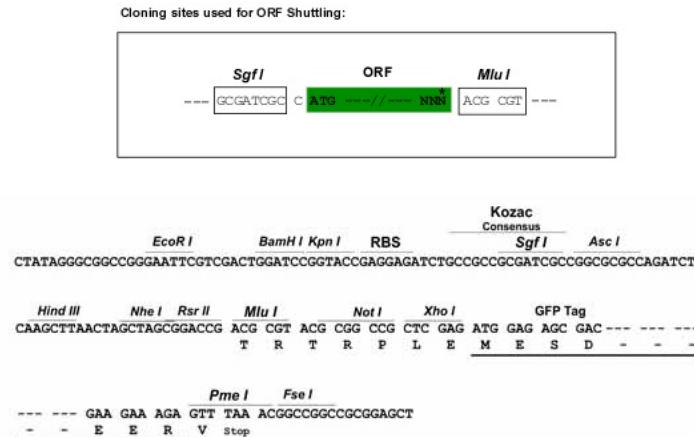
Protein Sequence: >RG203096 representing NM_006568
 Red=Cloning site Green=Tags(s)

MAAVFLVTLYEYSPLFYIAVVFTCFIVTTGLVLGWFGWDVPVILRNSEETQFSTRVFKQMRQVKNPFGL
 EITNPSSASITTGITLTTDCLEDSLLTCYWGCNVQKLYEALQKHVYCFRISTPQALEDALYSEYL YQEY
 FIKKDSKEEIIYQQLPRDTKIEDFGTVPRSRYP LALLTLADEDDREIYDIISMVSVIHIPDRTYKLSERI
 LYQYLLLAQGQFHDLKQLFMSANNFTPSNNSSSEEKNTDRSLLEKVLSESEVEPSEENSKDCVVCQNG
 TVNWVLLPCRHTCLCDGCVKYFQQCPMCRQFVQESFALCSQKEQDKDKPKTL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006568

ORF Size: 996 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_006568.2](#), [NP_006559.1](#)

RefSeq Size: 1323 bp

RefSeq ORF: 999 bp

Locus ID: 10668

UniProt ID: [Q99675](#)

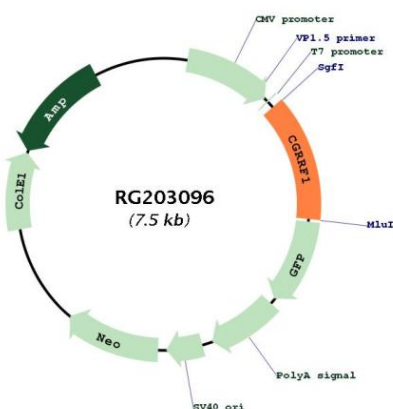
Cytogenetics: 14q22.2

Domains: RING

Protein Families: Druggable Genome, Transmembrane

Gene Summary: Able to inhibit growth in several cell lines.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203096