

Product datasheet for **RC203096**

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:	Myc-DDK
Symbol:	CGR19
Synonyms:	CGR19; RNF197
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203096 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGCGGTGTTTCTGGTAACGCTTTATGAATACTCGCCGTTTTCTACATCGCGGTGGTCTTTACCT
GCTTCATCGTGACCACCGCCTGGTATTGGGATGGTTGGTTGGGATGTTCCAGTAATTCTGAGAAATTC
AGAAGAGACCCAGTTCAGCACAAGATTTTCAAAAAGCAAATGAGACAAGTCAAGAATCCTTTGGCTTA
GAGATCACTAATCCATCTTCAGCTTCAATTACAACCTGGCATAACCTTGACAACAGATTGCCTTGAAGATA
GCCTCCTTACATGCTACTGGGGTGCAATGTTCAAAAATTATATGAAGCTCTGCAGAAGCATGTTTATTG
CTTCAGAATAAGCACTCCCAAGCATTAGAAGATGCTCTGTATAGTGAATATCTCTATCAGGAACAGTAT
TTTATTAAGGATAGCAAAGAAGAAATATATTGCCAGTTACCAAGAGATACTAAAATTGAAGACTTTG
GTACAGTACCCAGATCTCGCTATCCATTGGTAGCGCTATTGACCTTAGCTGATGAGGATGACCGGAAAT
TTATGATATTATTTCCATGGTGTGTCAGTGATTATTCCTGATAGGACTTATAAACTATCCTGCAGAATA
TTGTATCAATATTTACTCTTGGCTCAAGGTCAATTTATGATCTTAAGCAACTTTTCATGTCTGCAATA
ATAATTTCACTCCCTCCAACAATTCCTCTTCAGAAGAAAAAACACAGACAGAAGTTTGTGGAAAAGGT
GGGACTCTCTGAAAGTGAAGTTGAGCCATCGGAAGAGAACAGCAAGGACTGTGTTGTTGCCAGAATGGG
ACTGTGAAGTGGTACTTTACCATGCAGACACATGCCTGTGTGATGGCTGTGTGAAGTATTTTCAGC
AGTGCCCAATGTGCAAGGAGTTTGTTCAGGAATCTTTGCACTTTGCAGTCAAAAAGAGCAAGATAAAGA
CAAACCGAAGACTCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC203096 protein sequence
Red=Cloning site Green=Tags(s)

MAAVFLVTLYEYSPLFYIAVVFVTCFIVTTGLVLGWFQWDPVILRNSEETQFSTRVFKKQMRQVKNPFGL
 EITNPSSASITTGITLTTDCLLEDSLLTCYWGCNVQKLYEALQKHVYCFRISTPQALEDALYSEYL YQEY
 FIKKDSKEE IYQQLPRDTKIEDFGTVPRSRYPVALLTLADEDDREIYDIISMVSVIHIPDRTYKLSCRI
 L YQYLLLAQGGFHDLLKQLFMSANNFTPSNNSSEKNTDRSLLLEKVLSESEVEPSEENSKDCVVCQNG
 TVNWVLLPCRHTCLCDGCVKYFQQCPMCRQFVQESFALCSQKEQDKDPKTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6435_a12.zip

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.

RefSeq: [NM_006568.3](#)

RefSeq Size: 1323 bp

RefSeq ORF: 999 bp

Locus ID: 10668

UniProt ID: [Q99675](#)

Cytogenetics: 14q22.2

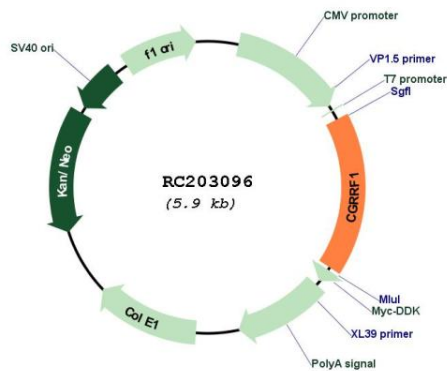
Domains: RING

Protein Families: Druggable Genome, Transmembrane

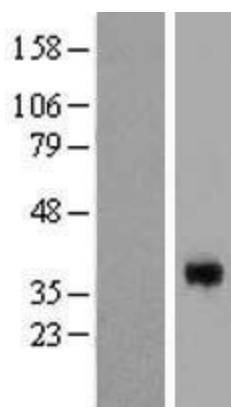
MW: 38.3 kDa

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

Product images:



Circular map for RC203096



Western blot validation of overexpression lysate (Cat# [LY416557]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203096 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).