

Product datasheet for **MR204907**

Cgrrf1 (NM_026832) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cgrrf1 (NM_026832) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cgrrf1
Synonyms:	1110038G02Rik; 1810009H17Rik; CGR19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204907 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCCGCGAGTGTCTCTGGTAACGCTCTATGAATACTCGCCGCTCTTCTACATAGCGGTGGTCTTACCT
GCTTCATCGTCACCACCGCCTGGTATTAGGATGGTTGGTTGGGATGTTCCAGTAATTCTGAGAAATTC
AGAAGAAACCCAGTTCAGCACAAGAGCGTTCAAGAAACAATGAGACAAGTGAAGAATCCTTTGGCTTG
GAGATCACTAATTCATCTGCAGCTTCCCTAGCAAGCATGGCCTTGAGGACAGACTGCCTGGAGGATAGTC
GTCTGACGTGCTACTGGGGATGCAGTGTGCAGAAGCTCTACGAAGCTCTCCAGAAGCACGCCTACTGCTT
CAGGATAAGCACCCCGAAGCGTTAGAAGAGGCGCTGTACAGTACTATCTCCACCGAGAACAGTATTTT
ATTAAGAAAGCACAGCAAAGAAATATATTGCCAGTTACCAAGTGATACTGAAATTGAAGACTTTGGTC
CAGTGCCAGATCTCGCTATCCTTTGGTAGCTCTGTTGACCCTTGCTGATGAGGATGACAGGGAAATTTA
TGATATATTTCCATGGTGTGTCAGTAATTCATATTCCTGATAAGACTTACAAACTCCCTGCCGAATATTG
TATCAATATTTAATCCTGGCTCAAGTCAATTTATGATCTTAAGCAACTTTTCATGTCTGCAAATAATA
GTCCTCCTCCCTAACGACGAGTCTCCAGAAGACAGAAGTGTGGAGCAGAGCTTGTGGAGAAGGTGGG
ACTGGCTGGGAATGACGGGGACCCAGTGGAGGAGAGCAGCAGGGACTGCGTGGTGTGCCAGAATGGGGC
GTGAACGGGTGCTCCTGCCCTGCCGGCACGCCCTGCCTGTGCGACAGCTGTGTGCCCTACTTCAAGCAGT
GTCCCATGTGCCGCGAGTTTGTGCAGGAATCCTTTGCACCTTTGTGGTCAAGAAAGCCAGACAAGGACCT
ACTAGAACTTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204907 protein sequence
Red=Cloning site Green=Tags(s)

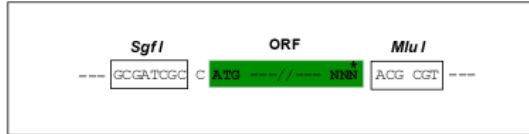
MAAVFLVTLYEYSPLFYIAVVFTCFIVTTGLVLGWFWDVPVILRNSEETQFSTRAFKKQMRQVKNPFGL
 EITNSSAASLASMALRTDCLIEDSRLTCYWGCSVQKLYEALQKHAYCFRISTPQALEEALYSDYLHREQYF
 IKKHSKEEIIYCQLPSDTEIEDFGPVPRSRYPVALLTLADEDDREIYDII SMVSVIHIPDKTYKLPKRIL
 YQYLILAQQGFYDLKQLFMSANNSPPPSNDESPEDRSVEQSLLKLVGLAGNDGDPVEESSRDCVVCQNGG
 VNWLLPCRHACLDCSCVRYFKQCPMCRQFVQESFALCGQKEPKDLLETS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_026832

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_026832.2](#), [NM_026832.3](#), [NP_081108.2](#)

RefSeq Size: 1202 bp

RefSeq ORF: 999 bp

Locus ID: 68755

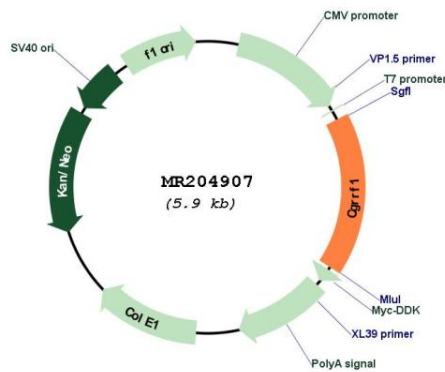
UniProt ID: [Q8BMJ7](#)

Cytogenetics: 14 C1

MW: 37.8 kDa

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

Product images:



Circular map for MR204907