

## Product datasheet for **MG204907**

### **Cgrrf1 (NM\_026832) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cgrrf1 (NM\_026832) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Cgrrf1  
**Synonyms:** 1110038G02Rik; 1810009H17Rik; CGR19  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG204907 representing NM\_026832  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCGAGTGTTCCTGGTAACGCTCTATGAATACTCGCCGCTCTTCTACATAGCGGTGGTCTTACCT  
 GCTTCATCGTCACCACCGCCTGGTATTAGGATGGTTGGTTGGGATGTTCCAGTAATTCTGAGAAATTC  
 AGAAGAAACCCAGTTCAGCACAAGAGCGTTCAAGAAACAATGAGACAAGTGAAGAATCCTTTGGCTTG  
 GAGATCACTAATTCATCTGCAGCTCCCTAGCAAGCATGGCCTTGAGGACAGACTGCCTGGAGGATAGTC  
 GTCTGACGTGCTACTGGGGATGCAGTGTGCAGAAGCTCTACGAAGCTCTCCAGAAGCAGCCTACTGCTT  
 CAGGATAAGCACCCCGAAGCGTTAGAAGAGGCGCTGTACAGTACTATCTCCACCGAGAACAGTATTTT  
 ATTAAGAAAGCACAGCAAAGAAGAAATATATTGCCAGTTACCAAGTGATACTGAAATTGAAGACTTTGGTC  
 CAGTGCCAGATCTCGCTATCCTTTGGTAGCTCTGTTGACCCTTGCTGATGAGGATGACAGGGAAATTTA  
 TGATATATTTCCATGGTGTGTCAGTAATTCATATTCCTGATAAGACTTACAACTCCCTGCCGAATATTG  
 TATCAATATTTAATCCTGGCTCAAGTCAATTTATGATCTTAAGCACTTTTCATGTCTGCAAATAATA  
 GTCCTCCTCCTTAACGACGAGTCTCCAGAAGACAGAAGTGTGGAGCAGAGCTTGTGGAGAAGGTGGG  
 ACTGGCTGGGAATGACGGGGACCCAGTGGAGGAGAGCAGCAGGGACTGCGTGGTGTGCCAGAATGGGGC  
 GTGAACGGGTGCTCCTGCCCTGCCGGCACGCCCTGCCTGTGCGACAGCTGTGTGCGCTACTTCAAGCAGT  
 GTCCCATGTGCCGCGAGTTTGTGCAGGAATCCTTTGCACCTTTGTGGTTCAGAAAGCCAGACAAGGACCT  
 ACTAGAACTTCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG204907 representing NM\_026832  
 Red=Cloning site Green=Tags(s)

MAAVFLVTLYEYSPLFYIAVFTFCFIVTTGLVLGWFWDVPVILRNSEETQFSTRAFKKQMRQVKNPFGL  
 EITNSSAASLASMALRTDCLEDSRLTCYWGCSVQKLYEALQKHAYCFRISTPQALEEALYSDYLHREQYF  
 IKKHSKEEYICQLPSDTEIEDFGPVPRSRYPVALLTLADEDDREIYDIIISMVSVIHIPDKTYKLPKRIL  
 YQYLILAQQQFYDLKQLFMSANNSPPPSNDESPEDRSVEQSLLKLVGLAGNDGDPVEESSRDCVVCQNGG  
 VNWLLPCRHACLCDSCVRYFKQCPMCRQFVQESFALCGQKEPKDLLETS

TRTRPLE - GFP Tag - V

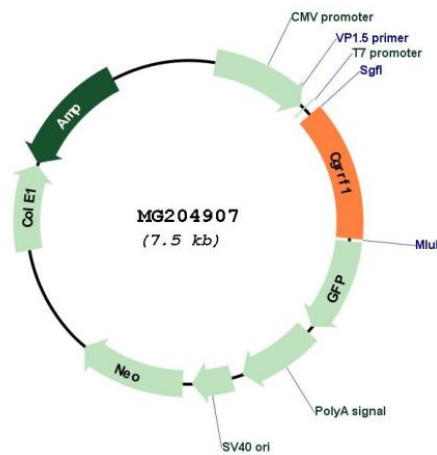
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_026832

**ORF Size:** 996 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_026832.2</a> , <a href="#">NP_081108.2</a>
<b>RefSeq Size:</b>	1204 bp
<b>RefSeq ORF:</b>	999 bp
<b>Locus ID:</b>	68755
<b>UniProt ID:</b>	<a href="#">Q8BMJ7</a>
<b>Cytogenetics:</b>	14 C1
<b>Gene Summary:</b>	Able to inhibit growth in several cell lines.[UniProtKB/Swiss-Prot Function]