

## Product datasheet for **MG214823**

### Rasgrp3 (NM\_207246) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rasgrp3 (NM_207246) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rasgrp3
Synonyms:	BC066069; Gm327
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG214823 representing NM\_207246  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGTCCAACGGGCTCGGAAAGCGGCAACACTAGATGAACCTCTCAGCACATGCATTGAGATGTTTG  
 ATGACAATGGAGACCTGAACGACAGTTACTTGCCAGAATCGTGTACTGATGCACCGATGGTATTTATC  
 CTCCACTGAAGTGGCAGGAAAACCTCTGATGTATCGAATGCCAGTGGAGAAAAGCTGTGATGAGTTC  
 CGACTGAAGATCTGCTATTTTCATGAGGACTGGATTCTGAAATTCCTGCAGAGTTAATTTGGATCTTG  
 GTTTGATTCGCATGACTGAGGAGTTCGGGAAAGTACTAGTCAACTAGGACATGAAAAACACATCAGCCT  
 CATGGACATATCTAGCGTTCCTTCTATGACTGGATGAGGAGAGTCACACAGAGGAAAAAAGTATCCAAA  
 AGGGGAAAGGCCTGCCTTTATTTGACCATCTGGAGCCATTGAGTTGGCGGAGCACCTCACTTTTCTGG  
 AGCATAAATCTTTAGAAGGATCTCATTACAGATTATCAGAGCTATGTCATCCATGGCTGTCTGGAGAA  
 TAACCCGACATTGGAGAGATCTATTGCTTTATTTAATGGAATCTCTAAGTGGTCCAGTTGATGGTTCTT  
 AGCAAACCAAGTGCAGCAAAAGGGCAGAAGTCATCACAAAGTTCAATGTAGCCAGAAAACCTCTTC  
 AACTAAAAAATTTAACACCTTGATGGCAGTGGTGGTGGCCTTGTGACAGCTCCATTTCCCGACTCAA  
 AGACACCCATTCTCACCTCTCTCCGAAGTTACAAAGAACTGGAATGAAATGACAGAGTTGGTCTCCTCC  
 AATGGCAATTACTGCAATTACCGCAAAGCCTTTGCTGACTGTGATGGCTTCAAAAATCCCATCCTTGGCG  
 TGCCTTGAAAGACTTGATAGCAGTCCATGTCAATTTCCAGACTGGATGGAGGAGAACAAAGTGAACGT  
 TGTGAAAATGCACCAGCTTTCTGTTACCCTGAGTGAACGGTCTCCCTGCAGAAATGCCTCTCACCCTTG  
 GAACCTAACATGGATTTGATCAACCTACTACTCTCTCTGACCTCTACCACACAGAGGATGATATTT  
 ACAAATGTCACTGGTGTGGAGCCTAGAAATTCAAAATCGCAGCCAACCTCCCAACGACACCTAATAA  
 GCCTGTGGTACCTCTGGAGTGGCTTCAGAAGTGGTACCAAAGCCAGACCCACAATCATCAACAAACAC  
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 ACTTTGAGAGCATAGCTGCCAATTTCCCTTCTGGATTCCTTCTGCGTACTAGACAAAGATCAGGACGG  
 CCTAATTAGCAAAGACGAAATGATGGCTTATTTCTGAGAGCTAAATCTCAGCTACACTGCAAAAATGGGA  
 CCAGGCTTCATCCATAATTTTCAGGAGATGAACATCTCAAGCCGACCTTCTGCGAACACTGTGCGGGAT  
 TTCTCTGGGGCATAATCAAACAAGGCTACAAGTCAAAGACTGTGGAGCCAACCTGCCACAAGCAGTGCAA  
 AGACCTCTTGGTCTGGCCTGCAGGAGACTTGCCAGGGCACCTCCTTGAGCAGCAACCCCGGGTCACTG  
 CCTGGAAGCCAGCCTTGCCCCAGTGCAGGATGAGGTATTTGAGTTTCTGGGGTCAAGGCTGGACACC  
 GAGACCTGGACAGCAGAGCCATTACCCTGGTTACAGGATCTTCCCGAAGATCTCCGTGAGGCTGCAGAG  
 AGCCACCACTAGTCAAGCCACCCAGACGGAACCTGTGTGGTCAAGGCTGTCTGGGGAGACTCAGGGTCC  
 CATACTTCCCAAAAATGAAATCCAAGTTCATGACAAAGCAGCAAAAGGACAAGGGCTTTGCCAAGTGGG  
 AAAACGAGAAGCCACGGTACAAGCTGGTGTGGATGTTGTAGATCGAGGCACTGCATTTGAACCTGACCA  
 GGATGATGGGCAAGATGAAGCCAAGCAGGGTGGTGAAGATGGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG214823 representing NM\_207246  
 Red=Cloning site Green=Tags(s)

MGSNGLGKAATLDELLSTCIEMFDDNGDLNDSYLPRIVLLMHRWYLSSTELAGKLLCMYRNASGES CDEF  
 RLKICYFMRWYILKFPFAEFNLDLGLIRMTEEFREVASQLGHEKHI SLMDISSVPSYDWMRRVTQRKKVSK  
 RGKACLLFDHLEPIELAEHLTFLEHKSFRRI SF TDYQSYVIHGCLENNPTLERSIALFNIGI SKWVQLMVL  
 SKPSAQQRAEVITKF INVAQKLLQLKNFN TLMAVVGGLSHSSI SRLK DTHSHLSSEVTKNWNEMTEL VSS  
 NGNYCNRYRKAFA DC DGF KIPILGVHLKDLI AVHVIFPDWMEENK VNVVKMHQLSVTLSELVSLQNASHHL  
 EPNMDL INLLTSLDLYHTEDDIYKLSLVLEPRNSKSQPTSPTTPNKPVPVPLEWASEVVPKPDPTIINKH  
 IRKLVESVFRNYDHDHDGYISQEDFESIAANFPFLDSFCVLDKDKDQGLISKDEMMAYFLRAKSQLHCKMG  
 PGFIHNFQEMNYLKPTFCHECAGFLWGIKQGYCKDCGANCHKQCKDLLVLACRRLARAPSLSSNP GSL  
 PGSPALPPVQDEVFEFPGVTAGHRDLDSRAITLVTGSSRKISVRLQRATTSQATQTEPVWSEAVWGDGSGS  
 HTFFPKMKSKFHDKAAKDKGFAK WENEKPTVQAGVDVVDRGTA FE PDQDDGQDEAKQGGEDG

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_207246

**ORF Size:** 2073 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\\_207246.4](#), [NP\\_997129.1](#)

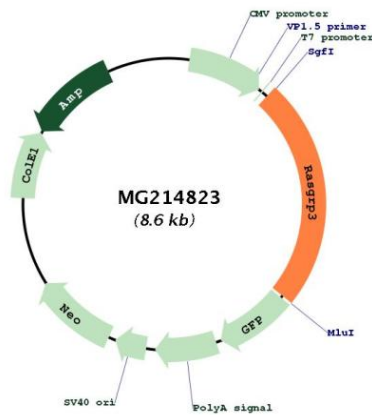
**RefSeq Size:** 4720 bp

**RefSeq ORF:** 2076 bp

**Locus ID:** 240168

**Cytogenetics:** 17 E2

**Product images:**



Circular map for MG214823