

Product datasheet for **MG201003**

Ramp3 (BC024765) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ramp3 (BC024765) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ramp3
Synonyms: AI850306
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201003 representing BC024765
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGACCCAGCACAGCGGCTGCACCTTCTCCACTGTTGTTGCTGCTTTGTGGTGAGTGTGCCAGG
 TATGCGGCTGCAACGAGACAGGGATGCTGGAGAGGCTGCCTCGCTGTGGAAAGCCTTCGCTGACATGAT
 GCAGAAGGTGGCTGTCTGGAAGTGGTGAACCTGTCGGAGTTCATCGTGATTATGAAAGCTTCACTAAC
 TGCACCGAGATGGAGACCAACATCATGGGCTGCTACTGGCCCAACCCGCTGGCCAGAGCTTCATCACTG
 GAATCCACAGGCAGTTCTTTTCCAACCTGCACGGTGGACAGGACCCACTGGGAAGACCCCGGATGAAGT
 ACTCATCCCACTGATCGCGGTTCTGTCGTGCTGACTGTGGCTATGGCTGGCCTGGTGGTGTGGCGCAGC
 AAGCACACTGATCGGCTGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201003 representing BC024765
 Red=Cloning site Green=Tags(s)

MKTPAQLRHLLPLLLLLCGECAQVCGCNETGMLERLPRCGKAFADMMQKVAVWKCWLSEFIVVYESFTN
 CTEMETNIMGCYWPNPLAQSFITGIHRQFFSNCTVDRTHWEDPPDEVLIPLIAVPVVLTVAMAGLVVWRS
 KHTDRLL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: BC024765

ORF Size: 443 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: [BC024765](#), [AAH24765](#)

RefSeq Size: 1244 bp

RefSeq ORF: 443 bp

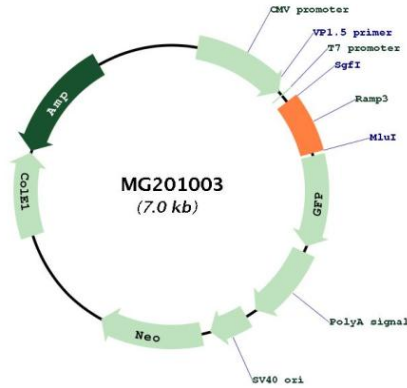
Locus ID: 56089

Cytogenetics: 11 4.61 cM

Gene Summary:

Plays a role in cardioprotection by reducing cardiac hypertrophy and perivascular fibrosis in a GPER1-dependent manner. Transports the calcitonin gene-related peptide type 1 receptor (CALCRL) to the plasma membrane. Acts as a receptor for adrenomedullin (AM) together with CALCRL.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG201003