

Product datasheet for RG208762

RAMP3 (NM 005856) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: RAMP3 (NM_005856) Human Tagged ORF Clone

Tag: TurboGFP Symbol: RAMP3

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG208762 representing NM_005856

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

AGCAAACGCACCGACACGCTGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208762 representing NM_005856

Red=Cloning site Green=Tags(s)

METGALRRPQLLPLLLLLCGGCPRAGGCNETGLLERLPLCGKAFADMMGKVDVWKWCNLSEFIVYYESFT NCTEMEANVVGCYWPNPLAQGFITGIHRQFFSNCTVDRVHLEDPPDEVLIPLIVIPVVLTVAMAGLVVWR

SKRTDTLL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

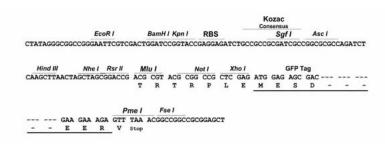
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Cloning Scheme:





ACCN: NM_005856

ORF Size: 444 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: <u>NM 005856.1, NP 005847.1</u>

RefSeq Size: 1312 bp
RefSeq ORF: 447 bp
Locus ID: 10268



 UniProt ID:
 O60896

 Cytogenetics:
 7p13

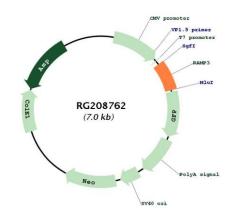
Protein Families: Druggable Genome, Transmembrane
Protein Pathways: Vascular smooth muscle contraction

Gene Summary: The protein encoded by this gene is a member of the RAMP family of single-transmembrane-

domain proteins, called receptor (calcitonin) activity modifying proteins (RAMPs). RAMPs are type I transmembrane proteins with an extracellular N terminus and a cytoplasmic C terminus. RAMPs are required to transport calcitonin-receptor-like receptor (CRLR) to the plasma membrane. CRLR, a receptor with seven transmembrane domains, can function as either a calcitonin-gene-related peptide (CGRP) receptor or an adrenomedullin receptor, depending on which members of the RAMP family are expressed. In the presence of this (RAMP3) protein, CRLR functions as an adrenomedullin receptor. [provided by RefSeq, Jul

2008]

Product images:



Circular map for RG208762