

Product datasheet for **MR201003**

Ramp3 (NM_019511) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Ramp3
Synonyms:	AI850306
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR201003 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGACCCAGCACAGCGGCTGCACCTTCTTCCACTGTTGTTGCTGCTTTGTTGAGTGTGCCAGG
TATGCGGCTGCAACGAGACAGGGATGCTGGAGAGGCTGCCTCGCTGTGGAAAGCCTTCGCTGACATGAT
GCAGAAGGTGGCTGTCTGGAAGTGGTGCAACCTGTCGGAGTTCATCGTGTATTATGAAAGCTTCACTAAC
TGCACCGAGATGGAGACCAACATCATGGGCTGCTACTGGCCCAACCCGCTGGCCAGAGCTTCATCACTG
GAATCCACAGGCAGTTCTTTTCCAACCTGCACGGTGGACAGGACCCACTGGGAAGACCCCGGATGAAGT
ACTCATCCCACTGATCGCGTTCTGTCTGCTGACTGTGGCTATGGCTGGCCTGGTGGTGTGGCGCAGC
AAGCACACTGATCGGCTGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201003 protein sequence
Red=Cloning site Green=Tags(s)

MKTPAQRLLHLLPLLLLLCGECAQVCGCNETGMLERLPRCGKAFADMMQKVAVWKWCNLSEFIVVYESFTN
CTEMETNIMGCYWPNPQAQSFITGIHRQFFSNCTVDRTHWEDPPDEVLIPLIAPVVLTVAMAGLVVWRS
KHTDRLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_019511

ORF Size: 441 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.

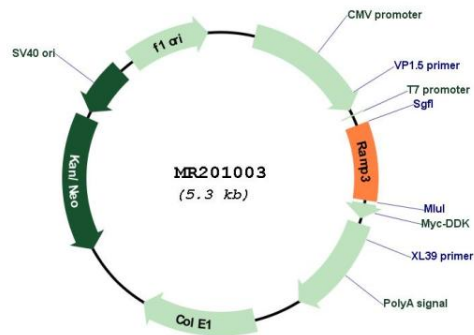
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_019511.3](#), [NP_062384.1](#)

RefSeq Size: 1221 bp
 RefSeq ORF: 444 bp
 Locus ID: 56089
 UniProt ID: [Q9WUP1](#)
 Cytogenetics: 11 4.61 cM
 MW: 16.8 kDa

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 MR201003