

## Product datasheet for **SC122728**

### RAMP3 (NM\_005856) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RAMP3 (NM_005856) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAMP3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>&gt;OriGene sequence for NM_005856 edited</p> <pre> AGCGTGACCCAGCTGCGGCCGGCCAGCCATGGAGACTGGAGCGCTGCGGGCCCCGCAACT TCTCCCGTTGCTGCTGCTGCTCTGCGGTGGGTGTCCAGAGCAGGCGGCTGCAACGAGAC AGGCATGTTGGAGAGGCTGCCCTGTGTGGGAAGGCTTTCGCAGACATGATGGGCAAGGT GGACGTCTGGAAGTGGTGAACCTGTCCGAGTTTCATCGTACTATGAGAGTTTACCAA CTGCACCGAGATGGAGGCCAATGTCGTGGGCTGCTACTGGCCAAACCCCTGGCCAGGG CTTCATCACCGGCATCCACAGGCAGTTCTTCTCCAACCTGCACCGTGGACAGGGTCCACTT GGAGGACCCCCAGACGAGGTTCTCATCCCGCTGATCGTTATACCCGTCGTTCTGACTGT CGCCATGGCTGGCCTGGTGGTGTGGCGCAGCAAACGCACCGACACGCTGCTGTGAGGGTC CCGGTGAGATGGAGTGGGTACACCTGGCAAGCTGGAAGAAAGTCCCTGGGGATGGGAG AGCGGGTGGGTGCTGCCAATCTCCAGCTACTGTGGCCACACCCACCTGGTCATGGGCG ACCCCTCCCTTCCCTGGGCTGACCTGCTCCCTCGAGGCCAGCCTGCTCCCTGGCTGAGGCT CAGGCTATCCGCCAAGCTCTTTGCTCATTCTAGGGCCAGTGGGGGAAAATGTGATAAGG CCAGAGCTTGTGTGCTGGGCACAGAAATCACCTGCTGCATCCTGTGCTCCGCAGGCTGGG CCGGAGCCTCTGCCCGCAGGTTTCTATGCTGTTTCTTAGCACAGAATCCAGCCTAGCCTT AGCCGCAGTCTAGGCCCTGCTTGGACTAGGACTCCTTGCTTGACCCCATCTCTGGTTCTT GCCCTGGCTCCTGCACCAGCCCCAGCTCCTGCCTACATCCAGGCAGAAAGATAGGCAGGG GCTCTTGAAGACGTTCCGTGCTGTGACCTCCGAGCCCTCCTGGTGGGAAGACAGCTGGA AAGGCTGGGAGGAGAAGGGAGGGTTGGGGTTCCAGGAGCCATGCGTGGCCTGCAGAG TCCATTCCATCATGATGCTGTGCCCGCTATGGGCTGTGTCCATGACCAGAGGCTGGAGTG GGGTGTGTTAGAGCCCCTCACCGGACTTGTGTGCGGATGGGGCTGGGCCTCCTTCC TACAGGGGCTCCTCTGTGGGTGAGGGGCCCTCTGGAATGGCATCCCATGAGCTTGTGGCC TCTACCTGCTACCATCTGTGTTTATCTGAGTAAAGTTACCTTACTTCTGGACAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAAA </pre>



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_005856 unedited NGGTCTAGATTTGTAATACGACTCACTATAGGGCGGCCCGCAATTCGCCATTACGGCC GGGGAGCGTGACCCAGCTGCGGCCGCCAGCCATGGAGACTGGAGCGCTGCGGCCGCCGC AACTTCTCCCGTTGCTGCTGCTGCTCTGCGGTGGGTGTCCAGAGCAGGCGGCTGCAACG AGACAGGCATGTTGGAGAGGCTGCCCTGTGTGGGAAGGCTTTCGAGACATGATGGGCA AGGTGGACGTCTGGAAGTGGTGAACCTGTCCGAGTTCATCGTGTACTATGAGAGTTTCA CCAACTGCACCCGAGATGGAGGCCAATGTCGTGGGCTGCTACTGGCCCAACCCCTGGCCC AGGGCTTCATCACCGGCATCCACAGGCAGTTCTTCTCCAACCTGCACCGTGGACAGGGTCC ACTTGGAGGACCCCCAGACGAGTTTCTATCCCGCTGATCGTTATACCCGTCGTCTGTA CTGTGCCATGGCTGGCCTGGTGGTGTGGCGCAGCAAACGCACCGACACGCTGCTGTGAG GGTCCCGGTGAGATGGAGTGGGTCACACCTGGCAAGCTGGAAGAAAGTTCCTGGGGATG GGAGAGCGGGTGGGTGCTGCCAATCTCCAGCTACTGTGGCCACACCCACCTGGTCATGG GCAGACCCTCCCTTCTGGGCTGACCTGCTCCCTCGAGGCCAGCCTGCTCCCTGGCTGA GGCTCAGGCTATCCGCCAAGCTCTTTGCTCATTCTAGGGCCAGTGGGGAAAATGTGAT AAGGCCAGAGCTTGTGTGCTGGGCACANAAATCACCTGCTGCATCCTGTGCTCCGAGGC TGGGCCCGAGCCTCTGCCCGCAGTGTCTATGCTGTTTCTTAGCCAGAATCCAGCCTAGC CTTAACCGCAGTCTAGGC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_005856
<b>Insert Size:</b>	1343 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_005856.1</a> , <a href="#">NP_005847.1</a>
<b>RefSeq Size:</b>	1312 bp
<b>RefSeq ORF:</b>	447 bp
<b>Locus ID:</b>	10268
<b>UniProt ID:</b>	<a href="#">O60896</a>
<b>Cytogenetics:</b>	7p13
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	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]