

## Product datasheet for SC116948

### RCE1 (NM\_005133) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RCE1 (NM_005133) Human Untagged Clone
Tag:	Tag Free
Symbol:	RCE1
Synonyms:	FACE2; RCE1A; RCE1B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116948 sequence for NM_005133 edited (data generated by NextGen Sequencing)

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ATGGCGGCGCTGGGCGGGATGGGCTGCGACTGCTGTGCGGTGTCGCGGCCGGAGCGGCCG
CCCGAGTCGGCGCGCTGGGCGGCCTGGGCCCGGGCTGTGCTGCTGGGTGTCAGTGTTCC
TCCTGCCTCAGCCTCGCCTGCTCCTACGTGGGCGCCTCTACGTCTGGAAGAGCGAACTG
CCCAGGGACCATCCCGGGTCAACAAGCGACGCTTCACCAGCGTCTGGTGGTGTCCAGT
CTCTCACCCCTGTGCGTGTGCTCTGGAGGGAACCTCACAGGCATCCAGCCAGGCACATCC
CTGCTCACCCCTGATGGGCTTCAGGCTGGAGGGCATTTTCCAGCGGCGCTGCTGCCCTG
TTGCTGACCATGATTCTTTTCTGGGCCCACTGATGCAGCTCTCTATGGATTGCCCTTGT
GACCTGGCAGATGGGCTGAAGGTTGTCTGGCCCCCGCTCCTGGGCCCGCTGCCTCACA
GACATGCGTTGGCTGCGGAACCAAGTGATCGCCCCGCTGACAGAGGAGCTGGTGTCCGG
GCCTGTATGCTGCCATGTTAGCACCGTGCATGGGCTGGGCCCTGCTGTGTTACACTGC
CCGCTCTTTTTGGAGTTGCCATTTTACCATATTATTGAGCAGCTGCGTTTCCGCCAG
AGCAGCGTGGGGAACATCTTCTGTCTGCTGCGTTCCAGTTCTCTACACAGCTGTCTTC
GGTGCCTACACTGCTTTCTCTTCCATCCGCACAGGACACCTGATTGGGCCGGTCTCTGC
CATTCTTCTGCAATTACATGGGTTTCCAGCTGTTTGGCGGCGCTTGGAGCACCCACAG
AGGCGGCCCTGCTGGCAGGCTATGCCCTGGGTGTGGGACTCTTCTGCTTCTGCTCCAG
CCCCTCACGGACCCCAAGCTCTACGGCAGCCTTCCCCTTTGTGTGCTTTTGGAGCGGGCA
GGGGACTCAGAGGCTCCCTGTGCTCCTGA

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Clone variation with respect to NM\_005133.2



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_005133 unedited  
 CCCCCGTTTCAGATTTGTATACGACTCATATAGGCGGCCGCTGAATCGGCACGAGCCGCGG  
 GTCAGGGCGCAATGGCGGCGCTGGGCGGGGATGGGCTGCGACTGCTGTCGGTGTCCGCGGC  
 CGGAGCGGCCGCCGAGTCGGCGGCGCTGGGCGGCCTGGGCCCGGGCTGTGCTGCTGGG  
 TGTCAAGTGTCTCCTGCCTCAGCCTCGCCTGCTCCTACGTGGGCAGCCTCTACGTCTGGA  
 AGAGCGAACTGCCAGGGACCATCCCGCGGTATCAAGCGACGCTTCACCAGCGTCTGG  
 TGGTGTCCAGTCTCTACCCCTGTGCGTGTGCTCTGGAGGGAACCTCACAGGCATCCAGC  
 CAGGCACATCCCTGCTCACCCCTGATGGGCTTCAGGCTGGAGGGCATTTCACAGCGGCGC  
 TGCTGCCCTGTTGCTGACCATGATTCTTTTCTGGGCCACTGATGCAGCTCTCTATGG  
 ATTGCCCTTGACCTGGCAGATGGGCTGAAGGTTGCTCCTGGCCCCCGCTCCTGGGCC  
 GCTGCCTCACAGACATGCGTTGGCTGCGGAACCAAGTATCGCCCCGCTGACAGAGGAGC  
 ATGGTGTCCGGGCTGTATGCTGCCATGTTAGCACCGTGCATGGGCTGGGCCCTGCT  
 GTGTTACCTGCCGCTCTTTTATTGGAGTTGCCATTTTACCATATTATTGAGCAGCT  
 GCGTTTCCGCCAGAGCAGCGTGGGGCACATCTTCTGTCTGCTGCGTTCAGTTCTCCTC  
 ACAGCTGTCTTTCGTGCCTCACTGCTTTCTCTTATCCGACAGACACCTGATGGGCGGAT  
 CTCTGCCATTCTCTGCATACAT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_005133 unedited  
 TTCCCCCAATGAGGGATCATTTTCANATCCATACAAATACTGAGCAAAAGNACAATGANA  
 AAACCCAGGAGTTGGGGGTGGGGGTGGGGAGAGGTTTTATAAATAAAAAACCCCGAGC  
 AGCTTTTCAGAGGCAGAGGAGCTCACACAAGCACAGTCCATAGTGAGGAAGGGAGTGTG  
 TGGCTCCTGGGACCTGCCCTTGACCCTTTTCATACATTTGCTAGTAAACACCCCTTTCA  
 AACGGGCTGCACCCCTTTGGATATCTGCTTCTTTCTTGTATCCATGCGACGCAATTTGC  
 TTTGGCCTCGCCCCCTACATAAACGTATGAAATCTTTGGTGACCTTTCAGCCATCCC  
 CCTGTACATACCCTTTGCCGGGATGTCTGGGGACACGGTATAGTTTCATACCGGTTTCTG  
 TAGCATACGCTTTCGCTCGCGGAGTTTCGGACCCCCCGTCCCTTCCAACGCCCTCA  
 CCAACTCCATCTCCTCGCATACCCCGGCTTCTCGATGGGATTGCTGTACCGGTAGTC  
 CGCCTTGTATCCGGTCTCACTCTGCCATCTTGTCTTCTTTCCGGGGTTGCCCTTGCGC  
 TTTCCGCTGCCGCGGTTCTGCGGTATCGCCATTAGGCACGATCCTGGCGGGGCTGCC  
 TGTGGCGGCTCCCGGCTCCCTGTTTTTTTGGCGTCTTTCTGCTGCCCTCGCGCCCCGCT  
 TTTCCGTTTATCCGTTCCCGATATCCCCCGTCCGGCTCTCCCCCTTTTCTTTGTTTCC  
 GCCTTTTCGTTTCTCTATCCCCCACCCTTCTGCAATCGGTGCGTCTTTCGCCCCGCCG  
 CGTGTCTTTCTGTCTCTGCGTTCC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_005133

**Insert Size:**

1750 bp

**OTI Disclaimer:**

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<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>	<u>NM_005133.2, NP_005124.1</u>
<b>RefSeq Size:</b>	1489 bp
<b>RefSeq ORF:</b>	990 bp
<b>Locus ID:</b>	9986
<b>UniProt ID:</b>	<u>Q9Y256</u>
<b>Cytogenetics:</b>	11q13.2
<b>Domains:</b>	Abi
<b>Protein Families:</b>	Protease, Transmembrane
<b>Gene Summary:</b>	<p>This gene encodes an integral membrane protein which is classified as a member of the metalloproteinase family. This enzyme is thought to function in the maintenance and processing of CAAX-type prenylated proteins. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant represents the longer transcript and encodes the longer isoform (1).</p>