

## Product datasheet for RC223865

### RCE1 (NM\_005133) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RCE1 (NM_005133) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RCE1
Synonyms:	FACE2; RCE1A; RCE1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223865 representing NM_005133 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCGCTGGGCGGGGATGGGCTGCGACTGCTGTCCGGTGTCCGGCCGGAGCGGCCGCCGAGTCGG  
CGGCGCTGGGCGGCTGGGCCCGGGCTGTGCTGCTGGGTGTCCAGTGTTCCTGCCTCAGCCTCGCCTG  
CTCCTACGTGGGCGAGCCTCTACGTCTGGAAGAGCGAACTGCCAGGGACCATCCCGGGTATCAAGCGA  
CGCTTACCAGCGTCTGGTGGTGTCCAGTCTCTACCCCTGTGCGTGTCTCTGGAGGGAACACAG  
GCATCCAGCCAGGCACATCCCTGCTCACCTGATGGGCTTCAGGCTGGAGGGCATTTCAGCGCGCGCT  
GCTGCCCTGTTGCTGACCATGATTCTTTCTGGGCCCACTGATGCAGCTCTCTATGGATTGCCCTTGT  
GACCTGGCAGATGGGCTGAAGTTGTCTGGCCCCCGCTCCTGGGCCCGCTGCCTCACAGACATGCGTT  
GGCTGCGGAACCAAGTGATCGCCCCGCTGACAGAGGAGCTGGTGTCCGGGCTGTATGCTGCCATGTT  
AGCACCCTGATGGGCTGGGCCCTGCTGTGTTACCTGCCCGCTCTTTTTGGAGTTGCCATTTTCAC  
CATATTATTGAGCAGCTGCGTTTCCGCCAGAGCAGCGTGGGGAACATCTTCTGTCTGCTGCGTTCCAGT  
TCTCTACACAGCTGTCTCGGTGCCTACACTGCTTTCTCTTCCACAGGACACCTGATTGGGCC  
GGTTCTCTGCCATTCTTCTGCAATTACATGGGTTTCCAGCTGTTTGGCGGCCCTGGAGCACCCACAG  
AGGCGGCCCTGCTGGCAGGCTATGCCCTGGGTGGGACTCTTCTGCTTCTGCTCCAGCCCCTCACGG  
ACCCCAAGCTCTACGGCAGCCTTCCCCTTGTGTGCTTTTGGAGCGGGCAGGGGACTCAGAGGCTCCCCT  
GTGCTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC223865 representing NM\_005133  
Red=Cloning site Green=Tags(s)

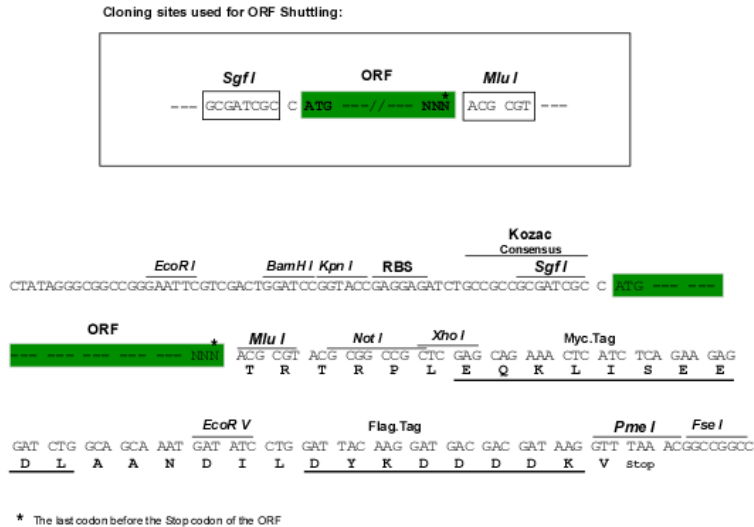
MAALGGDGLRLLSVSRPERPPESAALGGLGPGGCCWVSFVSLSLACSYVGSLEYVWKSELPRDHPAVIKR  
 RFTSVLVVSSL SPLCVLLWREL TGIQPGTSL TLMGFRLEGI FPAALLPLLL TMILFLGPLMQLSMDPC  
 DLADGLKVV LAPRSWARCLTDMRWLRNQVIAPL TEELVFRACMLPMLAPCMGLGPAVFTCP LFFGVAHFH  
 HIIEQLRFRQSSVGNIFLSAAFQFSYTA VFGAYTAF LF IRTGHL IGPVLCHSFCNYMGFPVCAALEHPQ  
 RRPLLAGYALGVGLFLLLLQPLTDPKLYGSLPLCVLLERAGDSEAPLCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1833\\_a03.zip](https://cdn.origene.com/chromatograms/ja1833_a03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_005133

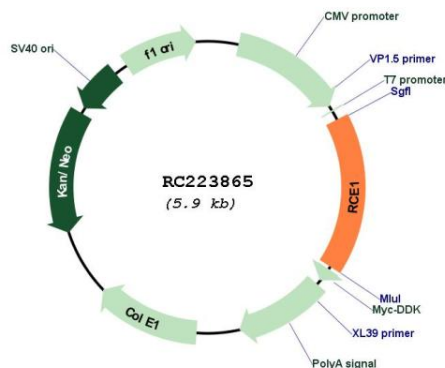
**ORF Size:** 987 bp

**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>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_005133.3</a>
<b>RefSeq Size:</b>	1489 bp
<b>RefSeq ORF:</b>	990 bp
<b>Locus ID:</b>	9986
<b>UniProt ID:</b>	<a href="#">Q9Y256</a>
<b>Cytogenetics:</b>	11q13.2
<b>Domains:</b>	Abi
<b>Protein Families:</b>	Protease, Transmembrane
<b>MW:</b>	35.7 kDa
<b>Gene Summary:</b>	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]

**Product images:**



Circular map for RC223865