

Product datasheet for **RG223865**

RCE1 (NM_005133) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RCE1 (NM_005133) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RCE1
Synonyms: FACE2; RCE1A; RCE1B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG223865 representing NM_005133
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGCGCTGGGCGGGGATGGGCTGCGACTGCTGTCCGGTGTCCGGCCGGAGCGGCCGCCGAGTCGG
CGGCGCTGGGCGGCCTGGGCCCGGGCTGTGCTGCTGGGTGTCCAGTGTTCCTGCCTCAGCCTCGCCTG
CTCCTACGTGGGAGCCTCTACGTCTGGAAGAGCGAACTGCCAGGGACCATCCCGGGTATCAAGCGA
CGCTTACCAGCGTCTGGTGGTGTCCAGTCTCTACCCCTGTGCGTGTCTGAGGGAAGTACAG
GCATCCAGCCAGGCACATCCCTGCTCACCTGATGGGCTTCAGGCTGGAGGGCATTTCAGCGCGCGCT
GCTGCCCTGTTGCTGACCATGATTCTTTCTGGGCCCACTGATGCAGCTCTCTATGGATTGCCCTTGT
GACCTGGCAGATGGGCTGAAGTTGTCCTGGCCCCCGCTCCTGGGCCCGCTGCCTCACAGACATGCGTT
GGCTGCGGAACCAAGTGATCGCCCCGCTGACAGAGGAGCTGGTGTCCGGGCTGTATGCTGCCATGTT
AGCACCCTGATGGGCTGGGCCCTGCTGTGTTACCTGCCCGCTCTTTTTGGAGTTGCCATTTTCAC
CATATTATTGAGCAGTGCCTTCCGCCAGAGCAGCGTGGGAACATCTTCTGTCTGCTGCGTTCCAGT
TCTCTACACAGTGTCTCGGTGCCTACACTGCTTTCCTTTCATCCGCACAGGACACCTGATTGGGCC
GGTTCTCTGCCATTCTTCTGCAATTACATGGGTTTCCAGCTGTTTGCAGCGCCTGGAGCACCCACAG
AGGCGGCCCTGCTGGCAGGCTATGCCCTGGGTGTGGACTCTTCTGCTTCTGCTCCAGCCCCTCACGG
ACCCCAAGCTCTACGGCAGCCTTCCCCTTGTGTGCTTTTGGAGCGGGCAGGGGACTCAGAGGCTCCCCT
GTGCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG223865 representing NM_005133
 Red=Cloning site Green=Tags(s)

MAALGGDGLRLLSVSRPERPPESAALGGLGPLCCWVSVFSCSLACSYVGSLYVWKSELPRDHPAVIKR
 RFTSVLVVSSL SPLCVLLWREL TGIQPGTSL TLMGFRLEGI FPAALLPLLL TMILFLGPLMQLSMDPC
 DLADGLKVV LAPRSWARCL TDMRWLRNQVIAPL TEELVFRACMLPMLAPCMGLGPAVFTCP LFFGVAHFH
 HIIEQLRFRQSSVGNIFLSAAFQFSYTA VFGAYTAF LFIRTGHL IGPVLC HSF CNYMGFP AVCAALEHPQ
 RRPLLAGYALGVGL FLLLLQPL TDPKLYGSL PLCVLLERAGDSEAPLCS

TRTRPLE - GFP Tag - V

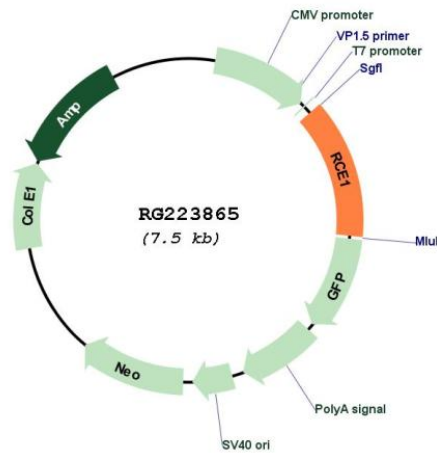
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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 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](#)

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: [NM_005133.3](#)

RefSeq Size: 1489 bp

RefSeq ORF: 990 bp

Locus ID: 9986

UniProt ID: [Q9Y256](#)

Cytogenetics: 11q13.2

Domains: Abi

Protein Families: Protease, Transmembrane

Gene Summary: 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]