

Product datasheet for MR202633

Rce1 (BC004060) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rce1 (BC004060) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rce1
Synonyms:	D19Ertd98e; D19Ertd283e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202633 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCTTCAGGCTGGAGGGCATTTCACAGCAGCGCTGCTGCCCTGCTGCTAACTATGATCCTTTCC
TGGGTCCACTGATGCAGCTCTCTATGGATTGCCCTTGACCTGACAGATGGGCTGAAGTTGCTCCTGGC
CCCTCGTTCTTGGGCCCGCTGCCTCACAGACATGCGCTGGCTACGAAACCAAGTTATTGCACCGCTGACA
GAGGAGCTGGTGTCCGGGCTTGCATGCTGCCATGCTAGCTCCGTGCACGGGTCTGGCCCTGCTGTGT
TCACCTGCCACTCTTTTTGGAGTCGCCATTTCCACCATTATTGAGCAGCTGCGCTCCGCCAGAG
CAGTGTGGGAAGTATCTTCGTGTCTGCAGCGTTCCAGTTCTCTACACCGCTGTCTTCGGTGCTTATACA
GCTTTCTCTTCCGACAGGACACCTGATAGGGCCGTTCTCTGCCACTCTTTCTGCAACTACATGG
GCTTCCCTGCAGTGTGTGCAGCCCTGGAGCATCCACAGAAGTGGCCACTGCTGGCAGGCTATGCCCTCGG
TGTGGGACTTTCTCTGCTTCAACCCCTGACAGACCCCAAGCTCTATGGCAGCCTTCTCTTTGT
ATGCTTTTGAAAGAACAGGGGCTCAGAGACCCTACTGTGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR202633 protein sequence
Red=Cloning site Green=Tags(s)

MGFRLEGIFPAALLPLLLTMILFLGPLMQLSMDPCDLTDGLKVV LAPRSWARCLTDMRWLRNQVIAPLT
 EELVFRACMLPMLAPCTGLGPAVFTCPPLFFGVAHFHHIIEQLRFRQSSVGSIFVSAAFQFSYTA VFGAYT
 AFLFIRTGHLIGPVLCHSFCNYMGFPVCAALEHPQKWPLLAGYALGVGLFLLLLLQPLTDPKLYGSLPLC
 MLLERTGASETL LCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC004060

ORF Size: 675 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.

RefSeq: [BC004060](#), [AAH04060](#)

RefSeq Size: 1303 bp

RefSeq ORF: 677 bp

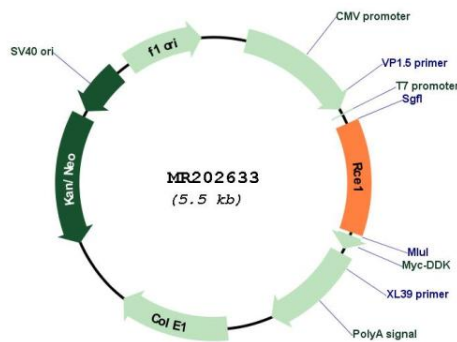
Locus ID: 19671

Cytogenetics: 19 A

MW: 24.8 kDa

Gene Summary: Proteolytically removes the C-terminal three residues of farnesylated and geranylated proteins. Seems to be able to process K-Ras, N-Ras, H-Ras, RAP1B and G-gamma-1 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202633