

Product datasheet for **MG224310**

Rce1 (NM_023131) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rce1 (NM_023131) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rce1
Synonyms: D19Ertd98e; D19Ertd283e
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG224310 representing NM_023131
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCGCTGGGCGGGGACGGGCTGCGTTACTGTCCGGTATCGCGCCAGAGCGGCAGCCGAGTCAG
 CCGCGCTGAGCGGCCGGGCTCGGGCTGTGCTGCTGGGTGTCTGTGTTCTCTGCTTCAGCCTCGCCTG
 CTCCTACGTGGGAGCCTCTACGTGTGGAAGAGCGAGCTGCCAGGGACCACCCCGCTGTTATCAAGCGG
 CGTTCCACCAGTGTCTGGTAGTGTCCAGCTTGTCCCTCTTTGCGTGTGCTCTGGAGGGAAGTCACTG
 GCATCCAGCCAGGCACATCACTGCTTACCTTGATGGGCTTCAGGCTGGAGGGCATTTCAGCAGCGCT
 GCTGCCCTGCTGCTAACTATGATCCTTTCTGGGTCCACTGATGCAGCTCTCTATGGATTGCCCTTGT
 GACCTGACAGATGGGCTGAAGTTGTCTGGCCCTCGTTCTTGGGCCCGCTGCCTCACAGACATGCGCT
 GGCTACGAAACCAAGTTATTGCACCGCTGACAGAGGAGCTGGTGTCCGGGCTTGCATGCTGCCATGCT
 AGCGCCGTGCACGGGCTGGGCCCTGCTGTGTTACCTGCCACTCTTTTTGGAGTCGCCATTTTCAC
 CACATTATTGAGCAGCTGCGCTTCCGCCAGAGCAGTGTGGGAAGTATCTTCGTGTCTGCAGCGTTCAGT
 TCTCTACACCGCTGTCTCGGTGCTTATACAGCTTTCCTTTCATCCGCACAGGACACCTGATAGGGCC
 GGTTCTCTGCCACTCTTCTGCAACTACATGGGCTTCCCTGCAGTGTGTGCAGCCCTGGAGCATCCACAG
 AAGTGGCCACTGCTGGCAGGCTATGCCCTCGGTGTGGGACTTTTCTGCTTCTGCTTCAACCCCTGACAG
 ACCCCAAGCTCTATGGCAGCCTTCTCTTTGTATGCTTTTGAAAGAACAGGGGCCCTCAGAGACCCTACT
 GTGCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224310 representing NM_023131
 Red=Cloning site Green=Tags(s)

MAALGGDGLRLLSVSRPERQPESAALSGPGSGLCCWVSFSCFSLACSYVGSLYVWKSELPRDHPAVIKR
 RSTSVLVVSSL SPLCVLLWREL TGIQPGTSL TLMGFRLEGI FPAALLPLLL TMILFLGPLMQLSMDPC
 DLTDGLKVV LAPRSWARCLTDMRWLRNQVIAPL TEELVFRACMLPMLAPCTGLGPAVFTCP LFFGVAHFH
 HIIEQLRFRQSSVGSIFVSAAFQFSYTA VFGAYTAF LFIRTGHLIGPVLCHSFCNYMGFP AVCAALEHPQ
 KWPLLAGYALGVGLFLLLLQPLTDPKLYGSLPLCMLLERTGASETLLCS

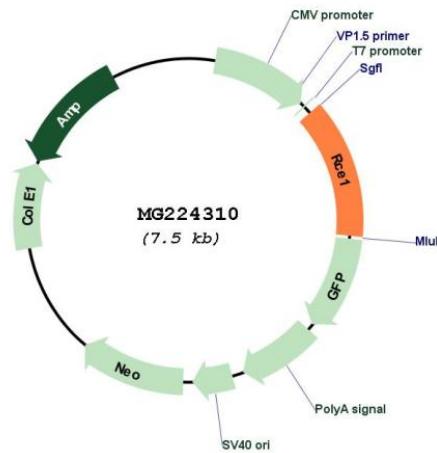
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_023131

ORF Size: 987 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:	<ol style="list-style-type: none">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_023131.2
RefSeq Size:	1446 bp
RefSeq ORF:	990 bp
Locus ID:	19671
UniProt ID:	P57791
Cytogenetics:	19 A
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]