

Product datasheet for MR224310

Rce1 (NM_023131) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rce1 (NM_023131) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rce1
Synonyms:	D19Ert98e; D19Ert283e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224310 representing NM_023131 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGCTGGGCGGGGACGGGCTGCGTTACTGTCCGGTATCGCGCCAGAGCGGCAGCCGAGTCAG
CCGCGCTGAGCGGCCCGGGCTCGGGGCTGTGCTGCTGGGTGTCTGTGTTCTCTGCTTCAGCCTCGCCTG
CTCCTACGTGGGAGCCTCTACGTGTGAAGAGCGAGCTGCCAGGGACCACCCGCTGTTATCAAGCGG
CGTTCACCAAGTGTCTGGTAGTGTCCAGCTTGTCCCTCTTTGCGTGTCTCTGGAGGGAAGTCACTG
GCATCCAGCCAGGCACATCACTGCTTACCTTGATGGGCTTCAGGCTGGAGGGCATTTCAGCAGCGCT
GCTGCCCTGCTGCTAACTATGATCCTTTCTGGGTCCACTGATGCAGCTCTCTATGGATTGCCCTTGT
GACCTGACAGATGGGCTGAAGTTGTCTGGCCCTCGTTCTTTGGGCCCGCTGCCTCACAGACATGCGCT
GGCTACGAAACCAAGTTATTGCACCGCTGACAGAGGAGCTGGTGTCCGGGCTTGCATGCTGCCATGCT
AGCGCCGTGCACGGGCTGGGCCCTGCTGTGTTACCTGCCACTCTTTTTGGAGTCGCCATTTTCAC
CACATTATTGAGCAGCTGCGCTTCCGCCAGAGCAGTGTGGGAAGTATCTTCGTGTCTGCAGCGTTCAGT
TCTCTACACCGCTGTCTCGGTGCTTATACAGCTTTCCTTTCATCCGCACAGGACACCTGATAGGGCC
GGTCTCTGCCACTCTTTCTGCAACTACATGGGCTTCCCTGCAGTGTGTGCAGCCCTGGAGCATCCACAG
AAGTGGCCACTGCTGGCAGGCTATGCCCTCGGTGTGGACTTTTCTGCTTCAACCCCTGACAG
ACCCCAAGCTCTATGGCAGCCTTCTCTTTGTATGCTTTTGAAAGAAGAGGGCCCTCAGAGACCCTACT
GTGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR224310 representing NM_023131
 Red=Cloning site Green=Tags(s)

MAALGGDGLRLLSVSRPERQPESAALSGPGSGLCCWVSFSCFSLACSYVGSLYVWKSELPRDHPAVIKR
 RSTSVLVVSSL SPLCVLLWREL TGIQPGTSL TLMGFRLEGI FPAALLPLLL TMILFLGPLMQLSMDPC
 DLT DGLKVV LAPRSWARCL TDMRWLRNQVIAPL TEELVFRACMLPMLAPCTGLGPAVFT CPLFFGVAHFH
 HIIEQLRFRQSSVGSIFVSAAFQFSYTA VFGAYT AFLF IRTGHL IGPVLCHSFCNYMGFFAVCAALEHPQ
 KWPLLAGYALGVGLFLLLLQPLTDPKLYGSLPLCMLLERTGASETLLCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9030_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



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:

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

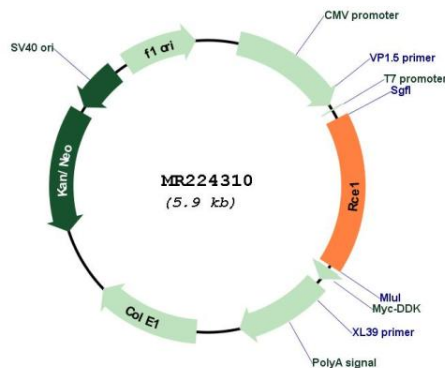
UniProt ID: [P57791](#)

Cytogenetics: 19 A

MW: 36.3 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 MR224310