

Product datasheet for MR201928

Rer1 (NM_026395) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rer1 (NM_026395) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rer1
Synonyms: 1110060F11Rik; 5830454N22Rik; AU043380
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201928 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGAAGGGGACAGTGTGGAGACTCTGTCCATGGGAAGCCCTCGGTGGTGTACAGATTTTTCTCAC
 GGCTTGGACAGATTTATCAGTCTGGCTGGACAAGTCTACCCCTACACAGCCGTCGGTGGTGTGAC
 ACTGGCCTGAGTTTTGTCTACATGATTAGAGTTACCTGTTACAAGTTGGTACATTGTGACCTACGCC
 TTGGGAATTTACCACCTAAACCTTTTCATTGCGTTCCTTTCTCCAAAGTGGATCCTTCTTGATGAAG
 ACTCAGATGACGGCCCTCATTACCAACCAACAGAATGAGGAATTCGTCCTTCATTGAAGGCTTCC
 AGAATTCAAATTTGGCAGCAGCTACAAAAGGCATTCTGTGGCTATGATCTGTACCTTCTCGAGGCT
 TTTAACGTCCCAGTGTCTGGCCGATCCTGGTGTGACTTCATCATGCTTTTCTGTATCACAATGAAGA
 GGCAAATCAAGCACATGATTAATACCGGTACATACCATTACACACGGGAAGAGGAGATACAAAGGGAA
 GGAGGACGTGGCAAGACATTTGCTAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201928 protein sequence
 Red=Cloning site Green=Tags(s)

MSEGDSVGDVHVKPSVYRFFSRLGQIQSWLDKSTPYTAVRWVVTGLSFVYMIRVYLLQGWYIVTYA
 LGIYHLNLFIAFLSPKVDPSLMEDSDGPSLPTKQNEEFRPFIRRLPEFKFWHAATKGILVAMICTFFEA
 FNVVPVFPILVMYFIMLFCITMKRQIKHMIKYRYPFTHGKRRYKGDVGGKTFAS

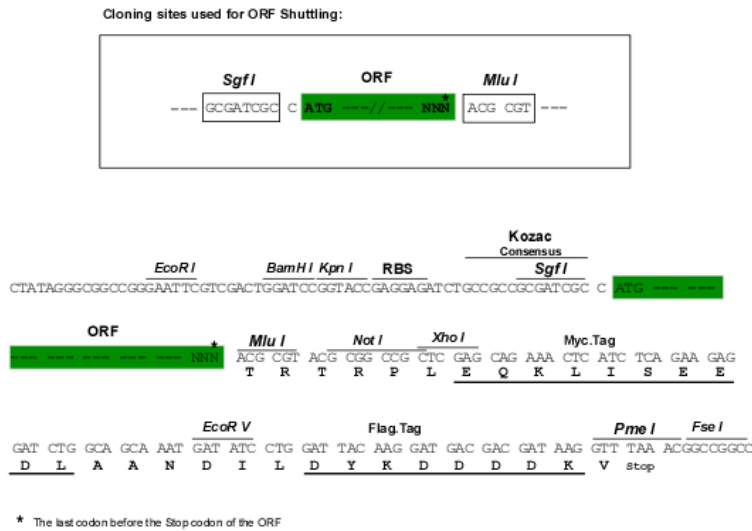
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026395

ORF Size: 591 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_026395.2](#)

RefSeq Size: 1518 bp

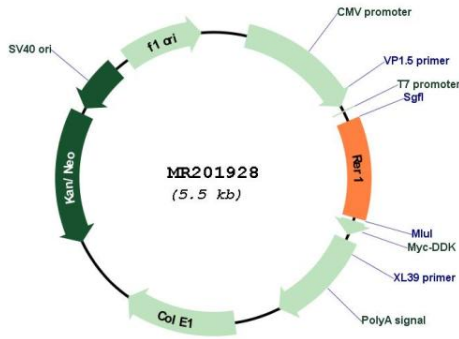
RefSeq ORF: 591 bp

Locus ID: 67830

UniProt ID: [Q9CQU3](#)

Cytogenetics: 4 E2
 MW: 23 kDa
 Gene Summary: Involved in the retrieval of endoplasmic reticulum membrane proteins from the early Golgi compartment.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201928