

Product datasheet for MR201999

Rerg (NM_181988) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rerg (NM_181988) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rerg
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201999 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTAAGAGCGCAGAGGTCAAGCTGGCCATATTTGGAAGAGCAGGCGTGGCAAGTCAGCGATTGTAG
 TGAGATTTCTGACCAAACGGTTCATCTGGGAGTATGATCCAACCTCGAATCAACCTACCGACACCAGGC
 AACCATAGACGATGAAGTTGTTTCTATGGAGATCCTGGACACCGCTGGCCAGGAAGACACCATCCAGAGG
 GAAGGGCACATGCGCTGGGGAGAAGGCTTCGTGTTGGTTTACGACATCACCGATCGAGGGAGCTTCAAG
 AAGTGCTGCCGCTGAAGAACATCTAGATGAAGTCAAAAAGCCAAAAACGTGACTCTCATCTTGGTCGG
 AAACAAAGCCGACTTGGACCACTCCAGACAAGTGAGCACAGAAGAAGGGGAGAAGCTGGCGACGGAACCTG
 CGGTGTGCGTTTTACGAATGTTCCGCTGCACCGGAGAAGGGAACATCACGGAGGTGTTCTATGAGCTCT
 GTCGAGAGGTGCGTCGCAGGAGGATGGTGCAGGGCAAGACAAGGCCGCCGAGCTCCACCACACAGTCAA
 GCAAGCGATTAACAAGATGCTCACCAAAATCAGTAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201999 protein sequence
 Red=Cloning site Green=Tags(s)

MAKSAEVKLAIFGRAGVGKSAIVRFLTKRFIWEYDPTLESTYRHQATIDDEVVSMEILDTAGQEDTIQR
 EGHMRWGEFVLVYDITDRGSFEEVLPKLNILDEVKKPKNVTLILVGNKADLDHSRQVSTEEGEKLATEL
 ACAFYECSEACTGEGNITEVFYELCREVRRRRMVQGKTRRRSSTTHVKQAINKMLTKISS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_181988

ORF Size: 600 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_181988.1](#), [NP_871788.1](#)

RefSeq Size: 2074 bp

RefSeq ORF: 600 bp

Locus ID: 232441

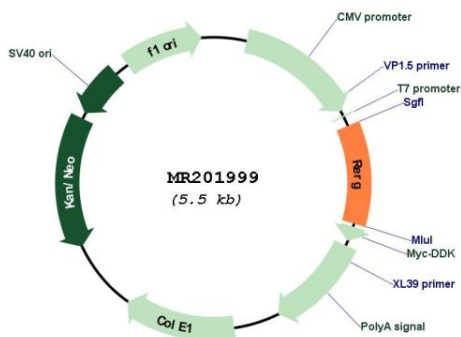
UniProt ID: [Q8R367](#)

Cytogenetics: 6 G1

MW: 22.6 kDa

Gene Summary: Binds GDP/GTP and possesses intrinsic GTPase activity. Has higher affinity for GDP than for GTP (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201999