

Product datasheet for **MC201483**

Rerg (NM_181988) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rerg (NM_181988) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rerg
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC026463 sequence for NM_181988
 CCCACGCGTCCGCTGGGCCCTGCCTGCTCCTGTTGCCTAGCCTCGCTTTCAGTGAGTCACCAGATACCC
 TGGATTGTGAACCTTCTGACTGGCGATGACACAGTAAACTAAAGGCCACCATCAAACCATCTGCTCA
 CATCTGGAATCTGAACATTAACCTGTCACTACCAGCCATGGCTAAGAGCGCAGAGGTCAAGCTGGCCA
 TATTTGGAAGAGCAGGCGTGGGCAAGTCAGCGATTGTAGTGAGATTTCTGACCAAACGGTTCATCTGGGA
 GTATGATCCAACCCTCGAATCAACCTACCGACACCAGGCAACCATAGACGATGAAGTTGTTTCTATGGAG
 ATCCTGGACACCCTGGCCAGGAAGACACCATCCAGAGGGAAGGGCACATGCGCTGGGGAGAAGGCTTCG
 TGTTGGTTTACGACATCACCGATCGAGGGAGCTTCGAAGAAGTGCTGCCGCTGAAGAACATCTTAGATGA
 AGTCAAAAAGCCAAAAACGTGACTCTCATCTTGGTCGGAACAAGCCGACTTGACCCTCCAGACAA
 GTGAGCACAGAAGAAGGGGAGAAGCTGGCGACGGAACCTGGCGTGTGCGTTTTACGAATGTTCCGCTGCA
 CCGGAGAAGGGAACATCACGGAGGTGTTCTATGAGCTCTGTGAGAGGTGCGTCGAGGAGGATGGTGCA
 GGGCAAGACAAGGCGCCGAGCTCCACCACACACGTCAAGCAAGCGATTAACAAGATGCTACCAAAATC
 AGTAGTTAGAGGTCTTGCCGAAATGTGCTGGAACGTGGGAAGGCCTTCTGGCTCCTGCTGCCCTCT
 AGCCACAGCCAAGATGTCCTTCTCCTTATTCTGAGTTTGGGGATGTCAGGGTTTCTCGTGGTCCCTCT
 CCACTATATGCTGGGAAATTCTCTGAGTATCTTCTGCAGCCCATGCTGTGACAGTCTCTCCCTCCCTG
 CTTGCCGTAGGATCCGTCAAATGTAGTTGAAGATGCAACCACCAAGATGCTGAAGTGGCTGGTCCG
 TGGAGGCTAATTGTAGGCATCTCTGCCTTGATTTAACAAGTTGAAGTCTTTTCAAAGGCATTTAAGATT
 CTGAATCTTGTGGAAGACTACAAAGTCCACATAAGGTTTTGTGATGCTGGTGTGAACCTGAGGAGGGT
 AGCTGAGCGATTAGAACCAGGGAACAGAATTCTAGTCCCATTTGAAGCGAGGATTTTTTTTTAATTGTT
 ATTATTACTTACTTAAATTATGCCATTTTCTTTAAACATTTTATTTTATTTTATTTTATTTTATTTT
 ATTACTGACTTTGTGATGAATTGCCATTTCAATTAATAAATTGATTCTCTCAATAATCTACAGCGGTCT
 CACATACCCTATTCTATTATTTCTTAATAACAAAAGAAACAAGACCCGCAATTCACACCCTGCTGTGGC
 TTTGCTTCCCAAGCCTTGGTGATAAGAAAAACAACCCACTAGGAATCTTTGTGCCACCTCTGGCCTC
 ACTGCATGTTAGTGGGATTGCAATTAGAGACACCTGGTTTGTATATTGCTCTATTAGCACCGTAGCGG
 GAAGCTAACCCCTTAAATGAGAAAATTATGGCGCTTAGTTATTTCTTTTGGAAAGCAAAGGCAGAATCCT
 ATGCATTCAGAAAAGCCAGCCGCTGATTCAGTAAAGTTGGCCACATGCCTTGTTAACCTTCTAACCTTTG
 GGTAAGATTAATTCACATGGGAGAATTCAGAAAAATAAGGGTGAAGTAAATTCCTCTACGTGAACGAG
 CGTGCACAAAGTAGATGCTTGGCTGGCAAAAGGATTATGTAAGTCCCAAGAGTTTATGATCCTTCTCTC
 ATTTCTGCCCATATACTGAGATTTGGCCACTTATTTTAGAATAAAAATATATATCTTTTACGATGAT
 TTATATGTATACATATAAGTATGTATAAAATTTGAAGCAGCGAAGATTTAATTCACCAATGTATTGTA
 ACAATCTGGTGAACCTGACTTCGTTTTATGTGATTATAATAAAAAATATAATTTTCAAATTCAAAAAAA
 AAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_181988

Insert Size: 600 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [BC026463](#), [AAH26463](#)

RefSeq Size: 2115 bp

RefSeq ORF: 600 bp

Locus ID: 232441

UniProt ID: [Q8R367](#)

Cytogenetics: 6 G1

Gene Summary: Binds GDP/GTP and possesses intrinsic GTPase activity. Has higher affinity for GDP than for GTP (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 each encode isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.