

## Product datasheet for **MR215913**

### Rerg (NM\_001164212) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rerg (NM\_001164212) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Rerg  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR215913 representing NM\_001164212  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCTAAGAGCGCAGAGGTCAAGCTGGCCATATTTGGAAGAGCGGGCGTGGCAAGTCAGCGATTGTAG  
TGAGATTTCTGACCAAACGGTTCATCTGGGAGTACGATCCAACCCTCGAATCAACCTACCGACACCAGGC  
AACCATAGACGATGAAGTTGTTTCTATGGAGATCCTGGACACCGCTGGCCAGGAAGACACCATCCAGAGG  
GAAGGGCACATGCGCTGGGGAGAAGGCTTCGTGTTGGTTTACGACATCACCGATCGAGGGAGCTTCGAAG  
AAGTGCTGCCGCTGAAGAACATCTTAGATGAAGTCAAAAAACCCAAAAACGTGACTCTCATCTTGGTCGG  
AAACAAAGCCGACTTGGACCACTCCAGACAAGTGAACAGACAGAAGAAGGGGAGAAGCTGGCGACGGAAGT  
GCGTGTGCGTTTTACGAATGTTCCGCTGCACGGGAGAAGGGAACATCACGGAGGTGTTCTATGAGCTCT  
GTCGAGAGGTGCGTCGAGAAGGATGGTGCAGGGCAAGACAAGGCGCCGAGCTCCACCACACACGTCAA  
GCAAGCGATTAACAAGATGCTCACCAAAATCAGTAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR215913 representing NM\_001164212  
Red=Cloning site Green=Tags(s)

MAKSAEVKLAIFGRAGVGKSAIVVRFLTKRFIWEYDPTLESTYRHQATIDDEVVSMEILDAGQEDTIQR  
EGHMRWGEFVLYDITDRGSFEEVLPKLNILDEVKPKNVTLILVGNKADLDHSRQVSTEEGEKLA TEL  
ACAFYECSACTGEGNITEVFYELCREVRRRRMVQKTRRRSSSTHVKQAINKMLTKISS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-Mlul

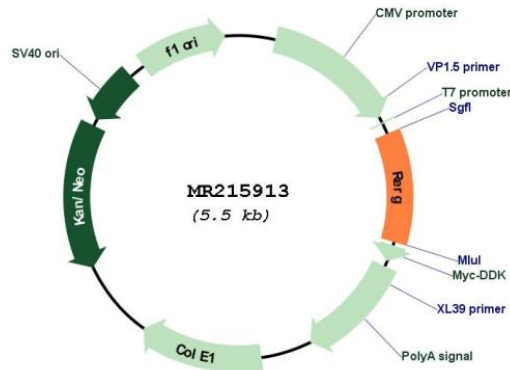


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001164212

ORF Size: 597 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001164212.1, NP_001157684.1</u>
<b>RefSeq Size:</b>	2254 bp
<b>RefSeq ORF:</b>	600 bp
<b>Locus ID:</b>	232441
<b>UniProt ID:</b>	<u>Q8R367</u>
<b>Cytogenetics:</b>	6 G1
<b>MW:</b>	23 kDa
<b>Gene Summary:</b>	Binds GDP/GTP and possesses intrinsic GTPase activity. Has higher affinity for GDP than for GTP (By similarity).[UniProtKB/Swiss-Prot Function]