

Product datasheet for **MR201200**

Rgs13 (NM_153171) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rgs13 (NM_153171) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rgs13
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201200 representing NM_153171
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAGGCATATCTGTTGGATTTGTAAGCTATGCAGAGATGAATCTAAGAGGCTCCCTTCAAACCTTA
CTTTGGATGAAGTTTTAAATGGGCCCAATCTTTGAAAGTCTGATGGCTACAAAATATGGGCCAATAGT
GTACACAGCATATTTAAATGGAGCACAGTGTGAGAACATTAATCTGGATGGCATGTGAAACCTAC
AAGAAAATTGCTTCACGAAGGGGCGAATTTCTAGGGCAAAAAGCTTTACAATATCTACATCCAGCCAC
AGTCTCCTAGAGAGATTAACTCGACAGTACAACACGGGAAGCTATCATCAAAGCATTCTGTAACCCAC
TCAAACATGCTTTGAAGAAGCTCAGAAGATTGTATACATGCACATGGAATGGATTCTTACCCAGATTT
TTAAAGTCTGAAATGTACCAACAACCTCTGAAAAGTGTCAATCCCAAAGCTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201200 representing NM_153171
Red=Cloning site Green=Tags(s)

MSRHICWICKLCRDESKRLPSNLTLDEVLKWAQSLESMLATKYGPVYVYAYLKLEHSDENIKFWMACETY
KKIASRRGRISRAKKLYNIYIQQSPREINIDSTTREAIIKSIREPTQTCFEEAQKIVYMHMEMDSYPRF
LKSEMYQQLLKTQSQSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9054_a04.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_153171

ORF Size: 474 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_153171.4](#), [NP_694811.1](#)

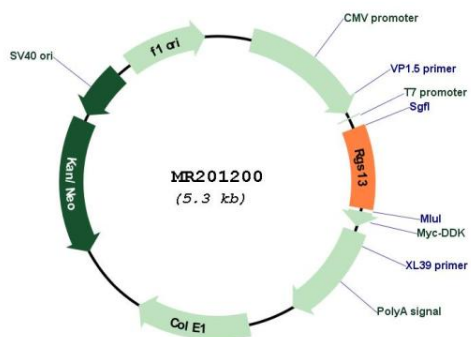
RefSeq Size: 1497 bp

RefSeq ORF: 477 bp

Locus ID: 246709

UniProt ID: [Q8K443](#)

Cytogenetics: 1 62.56 cM
MW: 18.7 kDa
Gene Summary: Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds to both G(i)-alpha and G(q)-alpha.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR201200