

Product datasheet for **MG202225**

Ric3 (BC059258) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ric3 (BC059258) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ric3
Synonyms: E130307J04Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202225 representing BC059258
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAAAATTAATCAACAGAGTTGGACCTAATGGTGAGAGCAGAGCACAGGCTGTGACTTCTGACCAAG
 AGAAACGATTACTGCATCAGCTCCGAGAAATCACCAGGGTCATGAAAGAAGGCAAGTTCATCGACACATC
 TCCAGAGAAGGAAGCTGAGGAAGCCCCATACATGGAGGACTGGGAAGGTTACCCAGAAGAGACTTATCCA
 ATATATGACCTTTCGGATGGTATCAAGCGTAGGCAAGAAACAATCCTGGTGGATTACCCTGACCTAAAAG
 AGCCCTCTGCTGAAGAAATTGCTGAACAAATGGGAGAGATAGAAGAGGAAGGATCAGAGCGTTTGAGCTG
 GGATCATTGCCCCACTGACCCTGGAGCCCAGAAAGATAATTCTGTTGCCCGTGTGATCCCAAACAGAA
 TCATGCTCCTGCTGTGTTTCATGAAGAGGAGGATCCTGCTGCTTGGCAGAGAATGCTGGTTTCAGTGCAG
 ATGGCTACAGTGAGCAAGAGGAAGCCACCAAGGAAAACCTGCCCCAGGACTTTACAAATGAAGGGCTGGG
 AGTCAGCACTGATAATGCACACGTGGTGGTATGTTGAGGAAGCGCAACCCCCAGGGTTTTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202225 representing BC059258
 Red=Cloning site Green=Tags(s)

MEKLINRVGPNGESRAQAVTSDQEKRLHQLREITRVMKEGKFIDTSPEKEAEEAPYMEDWEGYPEETYP
 IYDLSDGIKRRQETILVDYPLKEPSAEEIAEQMGEIEEEGSRLSWDHLPTDPGAQKDNSVAPCDPKPE
 SCSCCVHEEEDPAVLAENAGFSADGYSEQEEATKENLPQDFTNEGLGVSTDNAHVGGMLRKRNPQGF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

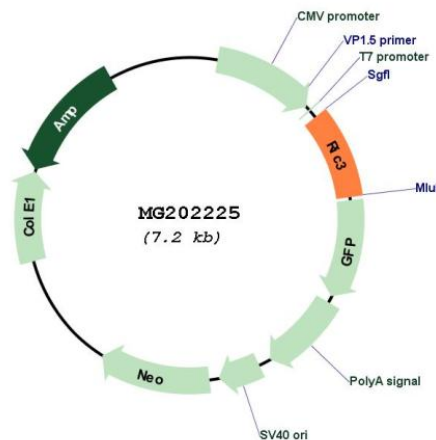


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Cloning Scheme:



Plasmid Map:



ACCN: BC059258

ORF Size: 626 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: [BC059258](#), [AAH59258](#)

RefSeq Size: 5045 bp

RefSeq ORF: 626 bp

Locus ID: 320360

Cytogenetics: 7 E3

Gene Summary: Promotes functional expression of homomeric alpha-7 and alpha-8 nicotinic acetylcholine receptors at the cell surface. May also promote functional expression of homomeric serotonergic 5-HT3 receptors, and of heteromeric acetylcholine receptors alpha-3/beta-2, alpha-3/beta-4, alpha-4/beta-2 and alpha-4/beta-4.[UniProtKB/Swiss-Prot Function]