

## Product datasheet for MR202225

### Ric3 (BC059258) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ric3 (BC059258) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ric3  
**Synonyms:** E130307J04Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR202225 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAAAAATTAATCAACAGAGTTGGACCTAATGGTGAGAGCAGAGCACAGGCTGTGACTTCTGACCAAG  
 AGAAACGATTACTGCATCAGCTCCGAGAAATCACCAGGGTCATGAAAGAAGGCAAGTTCATCGACACATC  
 TCCAGAGAAGGAAGCTGAGGAAGCCCCATACATGGAGGACTGGGAAGTTACCCAGAAGAGACTTATCCA  
 ATATATGACCTTTCGGATGGTATCAAGCGTAGGCAAGAAACAATCCTGGTGGATTACCCTGACCTAAAAG  
 AGCCCTCTGCTGAAGAAATTGCTGAACAAATGGGAGAGATAGAAGAGGAAGGATCAGAGCGTTTGAGCTG  
 GGATCATTGCCCCACTGACCCTGGAGCCCAGAAAGATAATTCTGTTGCCCGTGTGATCCCAAACAGAA  
 TCATGCTCCTGCTGTGTTTATGAAGAGGAGGATCCTGCTGCTTGGCAGAGAATGCTGGTTTCAGTGCAG  
 ATGGCTACAGTGAGCAAGAGGAAGCCACCAAGGAAAACCTGCCCCAGGACTTTACAAATGAAGGGCTGGG  
 AGTCAGCACTGATAATGCACACGTGGGTGGTATGTTGAGGAAGCGCAACCCCGGGTTTTGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR202225 protein sequence  
 Red=Cloning site Green=Tags(s)

MEKLINRVGPNGESRAQAVTSDQEKRLLHQLREITRVMKEGKFIDTSPEKEAEEAPYMEDWEGYPEETYP  
 IYDLSGDIKRRQETILVDYPLKEPSAEEIAEQMGEIEEESERLSWDHLPDTPGAQKDNSVAPCDPKPE  
 SCSCCVHEEEDPAVLAENAGFSADGYSEQEEATKENLPQDFTNEGLGVSTDNAHVGGMLRKRNPQGF

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC059258

ORF Size: 624 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

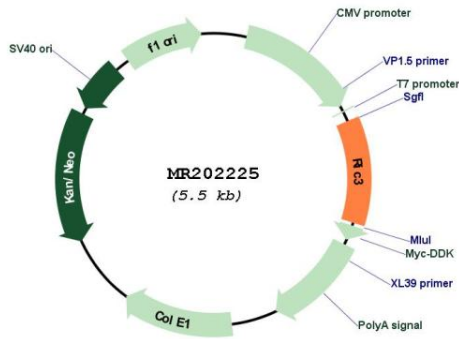
Locus ID: 320360

Cytogenetics: 7 E3

**MW:** 23.3 kDa

**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]

**Product images:**



Circular map for MR202225