

## Product datasheet for **MG225825**

### Ric3 (NM\_001038624) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ric3 (NM\_001038624) 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:** >MG225825 representing NM\_001038624  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGTACTCCACGGTGCAGAGAGTGGCGCTGGCCTCGGGGCTCGTCTGGCCGTGTCGCTGCTGCTGC  
 CCAAGGCCTTCTGTCTCGCGGGAAGCGACCGGAGCCGCCCGGGCCCGGAAGGAAAATTGGACCGATT  
 TCCACCTATGATGCATCACCCTCGGCACCCTCAGATGGTCAGACACCAGGGGCTCGTTCCAGAGGTCT  
 CACCTTGCAGAGGCCCTTGCAGAGGCCAAGGGAGCAGGTGGAGGTGCTGGAGGAGGGGTAGTGGAAAG  
 GACTGATGGGCCAGATCATTCCAATCTATGGCTTTGGGATCTTTTGTACATACTGTACATTTTGTAA  
 GCTTTCAAAGGGGAAAAGTGCAGAGGATCGGAAGTCTCCACTGCCCCACCTGGAACGCCACAGGAAG  
 ATTACCACTTTGAGCTTGTCAACTACAAGAAAAGTAAAAGAGACAGAAGAAGCCATGGAAAAATTAA  
 TCAACAGAGTTGGACCTAATGGTGAAGCAGAGCACAGGCTGTGACTTCTGACCAAGAGAAACGATTACT  
 GCATCAGCTCCGAGAAATCACCAGGGTCATGAAAGAAGGCAAGTTCATCGACACATCTCCAGAGAAGGAA  
 GCTGAGGAAGCCCATACATGGAGGACTGGGAAGGTTACCCAGAAGAGACTTATCCAATATATGACCTTT  
 CGGATGGTATCAAGCGTAGGCAAGAAACAATCCTGGTGGATTACCTGACCTAAAAGAGCCCTCTGCTGA  
 AGAAATTGCTGAACAAATGGGAGAGATAGAAGAGAAGGATCAGAGCGTTTGAGCTGGGATCATTTGCCC  
 ACTGACCTGGAGCCAGAAAGATAATTCTGTTGCCCGTGTGATCCCAAACCAGAATCATGCTCCTGCT  
 GTTTCATGAAGAGGAGGATCCTGCTGTCTTGGCAGAGAATGCTGGTTTTCAGTGCAGATGGCTACAGTGA  
 GCAAGAGGAAGCCACCAAGGAAAAGTTCGCCAGGACTTTACAAATGAAGGGCTGGGAGTCACTGAT  
 AATGCACACGTGGGTGGTATGTTGAGGAAGCGCAACCCAGGTTTTGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG225825 representing NM\_001038624  
 Red=Cloning site Green=Tags(s)

MAYSTVQRVALASGLVLAVSLLLKPAFLSRGKRPEPPPGPEGKLDLRFPPMMHHHSAPSDGQTPGARFQRS  
 HLAEAF AKAKGAGGGAGGGGSGRGLMGQIIPYIGFGIFLYILYILFKLSKGKTAEDRNCSTAPPGNAHRK  
 ITNFELVQLQEKLKETEEAMEKLINRVGPNGESRAQAVTSDQEKRLHQLREITRVMKEGKFIDTSPEKE  
 AEEAPYMEDWEGYPEETYPIYDLSDGIKRRQETILVDYDPLKEPSAEEIAEQMGEIEEEGSERLSWDHLF  
 TDPGAQKDNSVAPCDPKPESCSCCVHEEDPAVLAENAGFSADGYSEQEEATKENLPQDFTNEGLGVST  
 NAHVGGMLRKRNPQGFE

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001038624

**ORF Size:** 1101 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\\_001038624.1](#), [NP\\_001033713.1](#)

**RefSeq Size:** 5303 bp

**RefSeq ORF:** 1104 bp

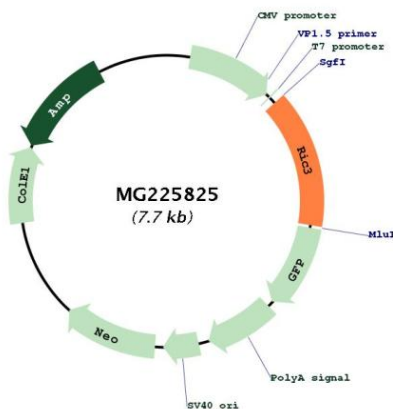
**Locus ID:** 320360

**UniProt ID:** [Q8BPM6](#)

**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]

## Product images:



Circular map for MG225825