

Product datasheet for MC214458

Ric3 (NM_178780) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ric3 (NM_178780) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ric3
Synonyms:	E130307J04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC214458 representing NM_178780 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGTACTCCACGGTGCAGAGAGTGGCGCTGGCCTCGGGGCTCGTCTGGCCGTGTCGCTGCTGCTGC
CCAAGGCCTTCTGTCTCGCGGAAGCGACCGGAGCCGCCCGGGCCCGGAAGGAAAATTGGACCGATT
TCCACCTATGATGCATCACCCTCGGCACCCTCAGATGGTCAGACACCAGGGGCTCGTTCCAGAGGTCT
CACCTTGCAGAGGCCTTTGCAAAGGCCAAGGGAGCAGGTGGAGGTGCTGGAGGAGGGGTAGTGAAGAG
GACTGATGGGCCAGATCATTCCAATCTATGGCTTTGGGATCTTTTGTACATACTGTACATTTTGTAA
GCTTTCAAAGGGGAAAAGTGCAGAGGATCGGAACTGCTCCACTGCCCCACCTGAAAACGCCACAGGAAG
ATTACCAACTTTGAGCTTGTCAACTACAAGAAAAGTAAAAGAGACAGAAGAAGCCATGGAAAAATTAA
TCAACAGAGTTGGACCTAATGGTGAAGCAGAGCACAGGCTGTGACTTCTGACCAAGAGAAAACGATTACT
GCATCAGCTCCGAGAAATCACCAGGTCATGAAAGAAGGCAAGTTCATCGACACATCTCCAGAGAAGGAA
GCTGAGGAAGCCCCATACATGGAGGACTGGGAAGTAAAATGCCCTTCTTGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAAAGTCACTCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_178780
Insert Size:	687 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_178780.3</u> , <u>NP_848895.2</u>
RefSeq Size:	1920 bp
RefSeq ORF:	687 bp
Locus ID:	320360
UniProt ID:	<u>Q8BPM6</u>
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] Transcript Variant: This variant (2) includes a 3' terminal exon that extends past a splice site used in variant 1 that leads to a frameshift. The resulting protein (isoform b) is shorter and has a distinct C-terminus compared to isoform a.