

Product datasheet for **MG214627**

4933409G03Rik (NM_177651) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	4933409G03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214627 representing NM_177651
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGCCTACTACCACCGAAGTGGAAAGATTTTCATCAAGATGTAGCAGCAGAAGAGGCAGAAGCAAACCCAT
CCCAGTCAGAACCCAGGCTTAGGAGTGTCCCAGAGGAGAAAAGCAAAGACATCTGACCACAATGAAAATAA
CTGGTCACTGGACAGTGGTAACTCTAGGGATGAAGAAGAAAACAGCAAAGACATCTCAAAGGCAGAGTG
CTGGATTTGTCTGTAGAGGAGGTCATCGAAGTGTATCGGAAGAAGAACAGAAGGGAGGTGATGAGGAGG
AGGATGAGGATAACGACGGTATGATGAGGATGGTATGATGGCGATGACGAGGGTGGCGATGACGAGGA
TGTTGGTATGAGGACGGTATGATGGGGATGGAGTATGATGAAGGTGTGCTGGACAAGCACAACCTT
GTGGTAGAAGAAAACGAAGCAGTCTGCAGGGAGAAGTAACCAAGAGGATCCTTCCAATAAGCTGTCTTAT
TCCAGGAAGACGAAGACTTAACTGAGCACTCCAAGGGAGCAGCGACAGCAACCCCTTGGGAAAAGATGA
GGATCCAAGTCACACAGAGATGAAGAGTCAGATGAGACCACTGAGGAAGAAGAAAACAAAGCCACCATT
GGACAAGATAAGGCATCCATACCACAGACAGATGAAGATTCAACTGAAGACTCTGAGGAAGAAGCAAGAA
AGCAGCCAGTAGAAAAGTGAACCAAGAGAATTATTGTCAGAAGACAAATAATGATAAGAATTTGCACA
GATATTTGAAGATTCAGTATGGACTCTGAGGAAGAAGCAGCAGAGCAGCCAGTGGGGAAAAGGAACCAA
AGGAGTCTTGTAAAGCAATGAATAATGACAGTCTCACTGATGGTAAATAGTGGGGACAACACTAACAA
CGCATATGCTTGAAGATATGCATGAAGATTGTTCCATGCTCAAACACTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG214627 representing NM_177651
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MPTTTEVEDFHQDVAAEEAEANPSQSEPLGVSPEEKAKTSDHNENWLSLDSGNSRDEEENSKDISKGRV
 LDLSVEEVIEVSSEEEQKGGDEEDEDNDGDDEGDGDDGDEGGDDEGGDEDGDDGGDDEGVAGQAQL
 VVEETKQSAGRSNQEDPSNKL SLFQEDDLTEHSKGAATEQPLGKDEDPKSHRDEESDETTEEEETKPLL
 GQDKASIPQTDSTEDSEEEARKQPVEKCNQENYQCKTNNDKNFAQIFEDSSMDSEEEAAEQPVGKRNQ
 RSPCKQMNDSLTDGNSGDNTNNSDMLDMHEDCSMLKHY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_177651

ORF Size: 960 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_177651.3](#), [NP_808319.1](#)

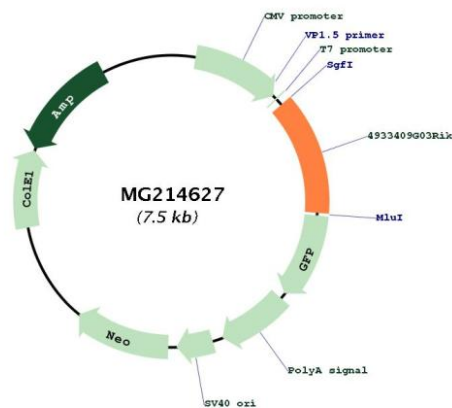
RefSeq Size: 1339 bp

RefSeq ORF: 963 bp

Locus ID: 227998

Cytogenetics: 2 C2

Product images:



Circular map for MG214627