

## Product datasheet for **MG214668**

### 4932411N23Rik (NM\_177705) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	4932411N23Rik (NM_177705) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	4932411N23Rik
Synonyms:	RP23-267A6.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG214668 representing NM\_177705  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGCTCTGTCTTACTTAGTGAGGACTCAGACAGGAACCTCATGCTTTGCCTTCAGAATGAAGCTAATG  
 AAATGGAAAATCCTACTGAACCTCTGAATAAGAGGCCCTGTTTGTCTCTGAAGTTGATTCTACTTCGTA  
 TATGTCAGCTCTTGAATCCCACTACAAGAAATGGAGCAAAGTTTTGGTTTGGTCAACACCAGCCACA  
 GAGGTGGCTGAGGAAGAGTTTGGTGGGAAAATATGATGCAATTCGAGGTTTTAAAAGTGACAAACAAT  
 ATGAAGTTTTCCCTTGCCTAACGAAGAGTCAAGTATGATGCAATTCGAGGTTTTAAAAGTGACAAACAAT  
 TAAGGATGCTCTAACTCATCAAGGACAGAAATGGAAGCAGGGGATGTGGTCCAAGGAAGAAACAGCTATT  
 CTGATGAACAACATTGAAAGGTATATGAAGGACCATGGAGTAGAGAATCCTGCAGAAATCATTTTTAAGA  
 TGGCAAAAGTAAAAGAAAAGATTTCTACAGGTCTGTATCATTGGGTCTGAATAGACCTTTGTTTTCACT  
 TTATAGAAGAGTGGTCCGAATGTATGATGACAGAAACCATGTGGGTAAGTACAGCCCTGAGGAAATAGAG  
 AAGCTCAAGGAGCTCTGGCAGAAGCATGGCAATGACTGGATAACAATAGGGGCCCCATGGGAAGAAGTC  
 CATCTTCGGTCAAGACCGGTGCCGACTGATGAAGGATACTTGAACACGGGGAAATGGACCGAAGAAGA  
 AGAACAGCTTCTTGGCGATGTGGTTCATGAATTGACATGCACTGAGGTGGATGAGAAAAGTTACCCATGGT  
 GTGTGTTGGGCAACAGTGGCTCAACGAGTGGTACTCGCTCAGCAAAGCAGTGTCTGCTAAATGGCTCA  
 ACTACTTGAACGGAAACAGACTGGTGGTATTGAGTGGACAAGGAAAGATGAAGTCACTCTCATCCAAAG  
 GCTAGTAGAGCTTGATGTATCCGATGAAAGTGAATTCGCTGGGATGAATTAGCTAAAGGATGGGAAAGT  
 GTTCGTTCCACCAATGGCTGCGAAATAAATGGTGGATCATCAAAGGCAAATACAAATCATAAAGATT  
 TTGCATTCCAGTCTAGTAAGATGCTTCAACAAGAATATGAAAGCCAAAATGCCAGCTCAGGTTTTGGA  
 GGAGAATAAATCAGGATCTGAAGTACCAGATAGCAACCCTGATATCATTTTTTCAACAAGTCCCTTTGGA  
 GTCACAAGTATAGAAAATAATAATGCATCCATCTGTACTGACCCCATGACAGGATTGCAAAATTCATTCC  
 AGCTCATCCCAGACCCACAACAGAATTACCTGATGCTGTTGTTGACTCTGAAACCATAACCCTGCCAC  
 TGGACCACAG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG214668 representing NM\_177705  
 Red=Cloning site Green=Tags(s)

MSSVLLSESDRNLMLCLQNEANEMENPTEPLNKRPLSSEVDSTSYMSALEFPLQEMEQSFLVTTTAT  
 EVAEEFFGGENMMQFEVLKDDKQYEVFPLPNKEESVVSQAWFTSKEAKDALTHQGQKWKQGMWSKEETAI  
 LMNNIERYMKDHGVENPAEIIIFKMAKGRKDFYRSVSLGLNRPLFSVYRRVVRMYDDRNHVKGYSPEEIE  
 KLKELWQKHGNDWITIGAAMGRSPSSVKDRCLMKDTCNTGKWTEEEELLDVHVHELCTEVDEKVTHG  
 VCVATVAQRVGRSAKQCRAKWLNLYLNWKQTGGIEWTRKDEVTLIQRVLDVSDSEIRWDELAKGWES  
 VRSPQWLRNKWWIIKRQITNHKDFAFPVLRCLQQEYESQNASLRFWENKSGSEVPDSDNPDIIFQVVPFG  
 VTSIENNNASICTDPMGLQISFQLIPRPTTELPDAVVVDESETITLPTGPQ

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_177705

**ORF Size:** 1410 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\\_177705.3](#), [NP\\_808373.1](#)

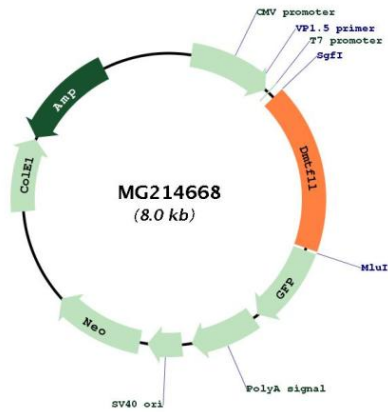
**RefSeq Size:** 3634 bp

**RefSeq ORF:** 1413 bp

**Locus ID:** 237029

**Cytogenetics:** X E3

Product images:



Circular map for MG214668