

## Product datasheet for **MG203804**

### 2810004N23Rik (NM\_025615) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	2810004N23Rik (NM_025615) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	2810004N23Rik
Synonyms:	3110004G14Rik; Ayu21-55; Gt(pU21)55Imeg; GtAyu21-55
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203804 representing NM_025615 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCGGAGCAGATTCCGACTCCGTTGAGCCTCCTGGTTCGGAGGCACTCCTGGACGCCGTTCTGC  
GGACCCTCTACGACCTGGGAGAGACGGAAGGTGAAACAGAGCAGAAAAGGATCCGAAAGAAGAAAGCAA  
GAAGAGAGACTCAGAGACTATAGAAGATGTGGCAGTAGAGCCGCTCCCTGCCTGGATCTCCTGTACGA  
GGCCAGAAGAAGAGTCTCCAGCTTTTCCAGAAGCTCAGAGAAGAACTGCAGTCTGCTCCCGCTGCC  
CTTCAGAAGTCCCTGTCCTACTGCTGCTCCCTCTCTCCCAAGAAGGCAGCAAGTAGTGAAGT  
GGTAGAGTTTCAAAGCAAAGTAAAAAGAGAAAATAAAGTCAGATGAAGATGAGCCGGCAAAGAATAAA  
ACAAAGGTCGTTAAAAAGATGTGGATATTCAGGAGTTTAACTAGAAAAGGCTCGTCTGGAAGTACACC  
GCTTTGGGATCACGGGCTATGGCAAAGGAAAAGAAAGAGTCTGGAGCGGGAGCGAGCTATCATGCTGGG  
GGCTAAGCCTCCAAGAACAACCTACGTGAACATAAGGTTTTGCAGAAACAAATCAAAGAGAAGAAGATC  
GCAGTGGAAAGAAGAAAAGAGAGCGGCCCGGAGACAGACATTTTCAAGAAAAAGAAGAAGAAAGGAGAG  
GGCAGGAGGACAGGAGATCCAAAAGTCGGCTCCAGCATCTTGTCAAGTGGACAAGTTGGACAAGTTGG  
AAAATTCAGAAATGGAACATTGATTCTAAGCCCCACTGATATCAAGAAAAACAACCTTCCAGGGTAGCT  
AAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203804 representing NM\_025615  
 Red=Cloning site Green=Tags(s)

MAAEHSDSVEPPGSEALLDAVLRITYDLGETEGETEQKRIRKKKAKKRDSETIEDVAVEPLPLPGSPVR  
 GQKKSASSFFQKLREELQSAPAAPSEVPVTTAVSLSPKNGSKLVEVVEFQSKSKRKLKSDDEPAKKNK  
 TKVVKDQVDIQEFNLEKARLEVHRFGITGYGKGKERVLERERAIMLGAKPPKNTYVNYKVLQKQIKEKKI  
 AVVEEKRAARETDIFKFKKKKGRGQEDRRSKKSAPSILSSGQVQVQKFRNGTLILSPTDIKKINSSRVA  
 K

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM\_025615

ORF Size: 843 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_025615.2</a>
<b>RefSeq Size:</b>	1342 bp
<b>RefSeq ORF:</b>	846 bp
<b>Locus ID:</b>	66523
<b>UniProt ID:</b>	<a href="#">Q8CIL4</a>
<b>Cytogenetics:</b>	8 E2