

## Product datasheet for **MG214782**

### 6030458C11Rik (NM\_029998) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	6030458C11Rik (NM_029998) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	6030458C11Rik
Synonyms:	MGC118638
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG214782 representing NM_029998 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTGACACCGGAGGCGACCGCGCGACTCAGGCGCTACACCAAGCTCCCGGTGTGGTGGTGGAGG  
ATCACCAGGAGTTCTGCCTTTTCATATACCGGGCCATAGGTTTGAAGCATCTTCTGACAGTAATATAAG  
TTTCTTACATTTGGACTCCCACCCAGACCTCCTTATCCCTGTGAACATGCCAGCAGACACTGTGTTGAT  
AAGGAAGCACTCTTTGGAGAAGTGAATCGAAAATTGGATTATGCCTGCAGTTTACGCTGGCCATTTTT  
CTCAAGTAATCTGGCTCCACCCACGTGGGCCAGCAAATCAGGGAGGCAAGCACTGCTTCTTAGTAGG  
CAAAGACATTTCTACCACAACCATCAGGGTTACAAGTACAGATTCTACTTCTAAGTGATGGTCTGTTT  
GTACCTGAAGACCAGCTAGAGAACCAGGACCCCTTACAGTTAGATGTGATTCTGGTAGAACCTTACACAC  
TCTGTAGCAAACAAGATGACAGTGACTCTGTGCTTCTACAAAGAAGCCCAAGCTGGCACTGGGAAGTGG  
AGAGAGCAGCGCTGCGGCTGATGGGCACTTGTCTCAGAAGGACGTCGAGGAGACGCACTGACACCAAGA  
AGTGACCATGCTTGCAGGAGCCGTCCTGCTCACGTTCCGGAGGTGAGCAGAGCCAGAACACAGCCACCG  
CTGGGGCGATTCTGGACATACTGAAGACGGGAGATGCGTTTGTGTTTAGATATTGACTTGGATTTTTTTT  
TGTCAAAAACCCCTTCAAAGAAATGTTCACTCAGGATGAATACAAAATTTACAGGAGCTTTACCAGTTT  
AAAAAGCCTGATAGTAACCTTCCCTGAGGATGGTTGGTGGATGTTGTTGAGGCTCGAACCCATCAGTTGG  
AAGATTTAGAAGCAGTCTTTGCTGACTTGTGTGACGGTGATAGTGAAGAAACCGTACAGAGCTGGGCTTC  
AAACCCTGGGATGGAGTCACTAGTTCCTTGTACAGAGTTTGAAGAAACGGATGGAAGTACCAGACTAT  
GAAATGGTCCACCAGGCTGGGCTAACTTGCAGTATTTCAGAACTTCTCATCATATCAGCACAGAAGAAG  
AAATTGAGTATCTTATTCAGTCTGTGATTTTCTATTAAGAAAGTCTACAAAACCTACTTGTGACAAT  
TGCAAGGTCAAGTCTGGATGATTACTGTCCTCCGGAACAAGTTGACATGATTCAGGGAAAGGTCCTCGAT  
GTGCTGCACTCACTCTACGGGACCTGGCACTCACCTGGTGTACTCAGAAGAGTCCCCTCTGAGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG214782 representing NM\_029998  
 Red=Cloning site Green=Tags(s)

MSDTGGDRARLRRYTKLPVWVVEDHQEVLFFIYRAIGSKHLPDSNISFLHLDSPDLLIPVNMPADTVFD  
 KEALFGELSIENWIMPVAYAGHFSQVIWLHPTWAQQIREGKHCFLVGKDISTTTIRVTSTDSYFLSDGLF  
 VPEDQLENRRRLQLDVLVPEPYTLCSKQDDSDSVSSTKKPKLALGSGESSAAADGHSCSEGRRGDAVTPR  
 SDHACQEPSCSRSGGQQSQNTATAGAILDILKTGDADFVLDIDLDFFSVKNPFKEMFTQDEYKILQELYQF  
 KKPDSNLPEDGLVDVVEARTHQLEDLEAVFADLCDGDSEETVQSWASNPGMESLVPLVQSLKKRMEVPDY  
 EMVHQAGLTCDYSELPHHISTEEIEYLIQSVYFLLKSLPKPTLVTIARSSLDYCPPEQVDMIQGVLD  
 VLHSLYGLDTHLVYSEESPLS

TRTRPLE - GFP Tag - V

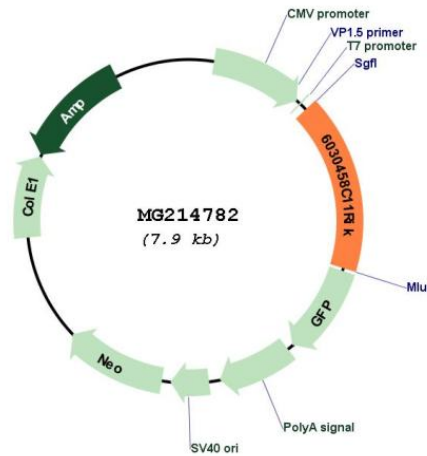
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_029998

<b>ORF Size:</b>	1326 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_029998.3</a> , <a href="#">NP_084274.1</a>
<b>RefSeq Size:</b>	3974 bp
<b>RefSeq ORF:</b>	1329 bp
<b>Locus ID:</b>	77877
<b>UniProt ID:</b>	<a href="#">Q8BGC1</a>
<b>Cytogenetics:</b>	15 A1