

## Product datasheet for **MG213385**

### 1700011I03Rik (NM\_029290) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: 1700011I03Rik (NM\_029290) Mouse Tagged ORF Clone  
 Tag: TurboGFP  
 Symbol: 1700011I03Rik  
 Synonyms: 4930583I06Rik  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-AC-GFP (PS100010)  
 E. coli Selection: Ampicillin (100 ug/mL)  
 ORF Nucleotide Sequence: >MG213385 representing NM\_029290  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGGTTAGTCGGTGTCTGTCCATGGACAGAGGATCTCAATGGGCCTGCCAAGATGGGAGGATGTCACA  
 GCAAGAAAGTTGTAATCCCAGATATTGAGACCTCAGCGAGATGCAGGTCGATGCTTGAAGTTATCAGTC  
 ATATATTCAGTCACAAAACAGAACATCGGGAACTCACCAGACAGTGGACAGACAGTATTTCTCTGGAA  
 CACTTGGAGATTTGCCTGAAGGAAGCAGAGGAAAAGGCTAGAGCTCTGTTGGAACAGCTTACAGCTTCTG  
 AAGCAACAAAATCACAACCTCTGAGAAGTCTCCATGCTGGAGGAAGGCTAGAGGATGTGAACCGAAA  
 GAACGTTGGTGGAGAGTTGTATGAAAACATGGTTCTTGAGAAAGACAAGTGCATTGAGAAGTTGCAAGCT  
 GAAGTCAAAGCCTCCCAGGAGAACTTAACATCCATAAACTAAAGCACAAAAAGGCAGTGAAAAAGCTAC  
 AAAGTATTTGGCAATAGCTAAGCAAGAGGCTGCCATCACTGTCTGGAAGTCAATGAGAAGATAATGAC  
 ACTCTGTGAAGGAAGGCCCTTCCCTAGAGCAACCAACTCAGTGAAGTACTCTCCGGAGGCTCCCACCT  
 GTGGAAGAAAGCGACAGGAAGTTTTCCCTGATCATGGAGCTGTCCACCAACTTTCCCTTCCAGACGGAGA  
 AGATCACTCAGCTCGAAGACACCTTAGCGGAAAAGGAAAAGAAGATCGAGGAGCTGGAAGCAGAGTGCAC  
 TTCCAGGTCCCCAAGGTGAAGACAGACTTACAGAAGATTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG213385 representing NM\_029290  
Red=Cloning site Green=Tags(s)

MRLVGVPWTE~~DL~~NGPAKMGGCHSKKVVIPDIETSARCRSMLGSYQSYIQSQNR~~TS~~GN~~SP~~DSGQTVFSL~~E~~  
HLEICLKEAEEKARALLEQLTASEATKSQLLEKVSML~~EG~~RL~~ED~~VNRK~~NV~~GGELYENMVLEKDKCIEKLQA  
EVKASQEKLN~~I~~HKLKHKKAVKKLQ~~TD~~LAI~~A~~KQEA~~AI~~TVLELNEKIMTLCEGRPFPRATNSVEVLSSGLPP  
VEESDRKFSLIMELSTQLSLQTEKITQLED~~TL~~A~~E~~KEKKIEE~~LE~~A~~E~~CT~~S~~QVPQGEDRL~~TE~~DL

TRTRPLE - GFP Tag - V

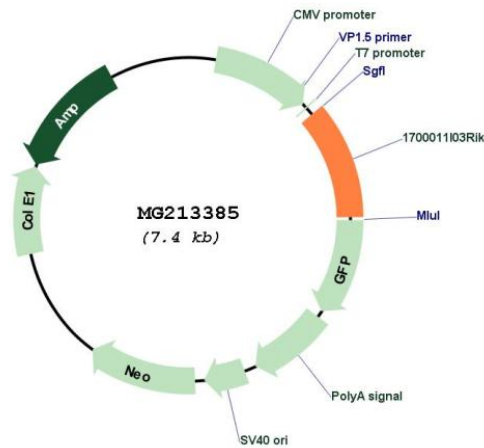
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_029290

**ORF Size:** 813 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_029290.1</a> , <a href="#">NP_083566.1</a>
<b>RefSeq Size:</b>	967 bp
<b>RefSeq ORF:</b>	816 bp
<b>Locus ID:</b>	75444
<b>Cytogenetics:</b>	18 D3