

## Product datasheet for **MG215803**

### Foxl1 (NM\_008024) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Foxl1 (NM\_008024) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Foxl1  
**Synonyms:** fkh-6; Fkh6; FREAC7  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG215803 representing NM\_008024  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCCACCTCTTCAGTCCCCGCTGGCCGCTCTGGCAGCCTCGCCGCTGTTGTACGTGTACAGCCCCG  
 AGAGGCCCTGGGCTGCCCTGGCCTTCGCCCTGCGGCTGCACTGGCCGGCCGGCCGCGTCGAGCCCC  
 GCAGAAGCGCCCTACAGCTACATCGCTTATAGCCATGGCGATCCAGGATGCTCCCGAGCAGAGGGTC  
 AACTGAACGGCATCTACCAGTTCATCATGGATCGCTTCCGTTCTACCACGACAACCGCAAGGCTGGC  
 AGAACAGCATCCGCCACAACCTGTCGCTCAACGAGTGCTTCGTGAAGGTGCCACGTGAGAAGGGGCGCC  
 GGGCAAGGGCAGCTACTGGACCCTGGACCCCGCTGCTTGGACATGTTTGAGAACGGCAATTATCGGCGC  
 AGGAAGAGGAAGCCCAAGCCCGCGGGTTCGCCGAGGCCAAGCGCACCCGGTTCGAGCCGCCGAGT  
 CCGAGGTGGGCTGCGATGTAGGGTCCCCGGACCTGGCCACTGCACTCCCGACGCGCGCCGGATCGCTC  
 CCAATCCCCGGCAGTAGGCACCGCGCGCCCGCTCCTTCCCTGGCCCGGCCCTGAGCCCCGGGACCCC  
 GACGCGGACCTCACAGTCCAGGGCGCAGGGCAGTGGCAAGCGGCCAGCTCCAGCGTCCGGCACACCACC  
 TGGGTCCCCTCTGTGCCCGCCCCAGCGGCTCCCCAAAAGGTTCCAAGTCAAAGATTTACAGATCGA  
 CAGCATTTGGCCGTGAGACCGACGCCAGCCTCAGGGGCCAAGCACCGGGGATCCCTAAGCCCGTGCCT  
 GGCCGCTGGGCTCCTCTGCTGGCTGCCTCCTCCGGCCTAGCGCCTCCCTTCAACGCTTCGCTGGTCT  
 TCGACGCGACGTCCAGGGCGGCTTTTCCAGCTGGGGATTCCCTTCTTCTTATTTTCTCTGCAGGT  
 TCCCGAGCCACAGTGCTTCGTTCCAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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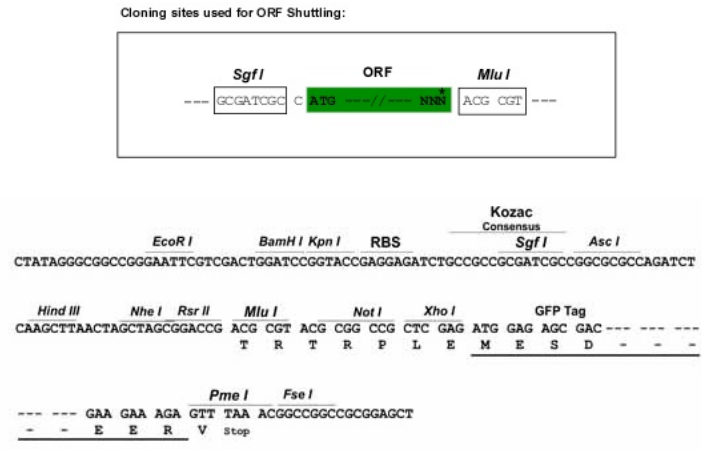
**Protein Sequence:** >MG215803 representing NM\_008024  
 Red=Cloning site Green=Tags(s)

MSHLFSPPLAALAASPLL VVYSPERPGLPLAFAPAAALAGPRVEPPQKPPYSYIALIAMAIQDAPEQRV  
 TLNGIYQFIMDRFPFYHDNRQGWQNSIRHNL SLNECFVKVPREKGRPGKGSYWTLDPRCLDMFENGNYYR  
 RKRKPKPAAGSPEAKRTRVEPESEVGCVDV GSPDLATALPTRAPDRSQSPAVGTARPALLPWPGPPEPRDP  
 DADLTVQGAGAVASGQLQRP AHHLGSPLCPAPSGSPKGSKSKSFSDSIDLAVRPTPASGAEAPGIPKPV  
 GALGSSLLAASSGLAPPFNASLVFDAHVQGGFSQLGIPFLSYFPLQVPEATVLRFH

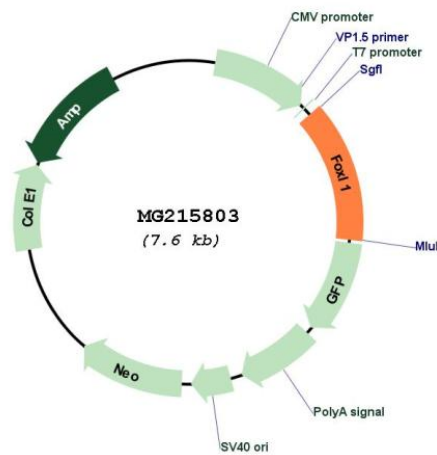
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_008024

**ORF Size:** 1008 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_008024.2</a> , <a href="#">NP_032050.2</a>
<b>RefSeq Size:</b>	2960 bp
<b>RefSeq ORF:</b>	1011 bp
<b>Locus ID:</b>	14241
<b>UniProt ID:</b>	<a href="#">Q64731</a>
<b>Cytogenetics:</b>	8 70.34 cM
<b>Gene Summary:</b>	Transcription factor required for proper proliferation and differentiation in the gastrointestinal epithelium. Target gene of the hedgehog (Hh) signaling pathway via GLI2 AND GLI3 transcription factors.[UniProtKB/Swiss-Prot Function]