

## Product datasheet for **MG208614**

### **Fxr1 (NM\_008053) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fxr1 (NM_008053) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fxr1
Synonyms:	1110050J02Rik; 9530073J07Rik; AI851072; Fxr1h; Fxr1p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208614 representing NM\_008053  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGAGCTGACGGTGGAGGTTTCGGCTCCAACGGGCTTTCTACAAGGATTTATCAAAGATGTC  
 ACGAAGACTCCCTCACAGTTGTTTTGAAAATAATTGGCAACCAGAACGCCAGGTTCCGTTAATGAAGT  
 GCGATTACCACCACCACCTGATATAAAAAAAGAAATTAGTGAAGGAGATGAAGTAGAGGTATATCAAGA  
 GCAAATGACCAAGAGCCATGTGGATGGTGGCTGGCTAAAGTTCGGATGATGAAAGGCGAGTTTTATGTCA  
 TTGAATATGCTGCTTGTGATGCCACTTACAATGAAATAGTCACATTTGAACGACTTCGGCTGTCAATCA  
 AAATAAACTGTCAAAAAAATACCTTCTTTAAGTGCACAGTGGATGTTCTGAGCACCTGAGAGAAGCG  
 TGTGCTAATGAAAATGCCATAAAGATTTAAGAAAGCAGTAGGAGCATGCAGAATCTTTATCATCCTG  
 AAACACCCAGCTAATGATACTGTGGCCAGTGAAGCAACTGTGAAGAGAGTAAATATCTTAAGTGATAT  
 GCATTTGAGAAGTATTCGGACGAAGTTGATGCTTATGTCCAGAAATGAAGAGGCCACTAAGCATTTAGAA  
 TGCACAAAACAACTTGCAGCAGCTTTTCATGAAGAATTTGTTGTGAGAGAAGATTTAATGGCCCTGGCGA  
 TAGGAACGCATGGCAGTAACATACAGCAAGCTAGGAAGGTTTCTGGAGTTACTGCCATTGAGTTAGATGA  
 AGACACCGGAACGTTTAGAATCTATGGAGAGAGTGTGAGGCTGTAAAAAAGCTAGAGGTTTCTTGAA  
 TTTGTGGAAGATTTTATCAAGTCCCAGGAATCTTGTGGAAAAGTAAATGGAAAAATGGCAAAGTTA  
 TTCAAGAAATAGTGGATAAACTCTGGTGTGGTTCGAGTAAGAATGAAGGAGACAATGAAAATAAACTACC  
 TAGAGAAGACGGAATGGTCCATTTGATTTGTTGGCACTAAAGAAAGCATTGGGAATGTCAAGTTCTT  
 CTAGAGTACACATCGCTTACTTAAAGGAAGTGAACAACCTAAGAATGGAACGTCTGCAGATTGATGAGC  
 AGCTGCGACAGATTGGTCTAGGCTTTATAGTGAAGAGGCAGAGGTCGTGGGGCCCTAATTACACCTC  
 CGGTTATGGTACAAATTCGAGCTGTCTAACCCCTCCGAAACAGAATCTGAGCGTAAAGATGAGCTGAGT  
 GATTGGTCATTGGCAGGAGAAGATGATCGAGAGACTCGACATCAGCGAGACAGCAGGAGACGCCAGGAG  
 GAAGAGGCAGAAGTGTCTGGGGACGAGGTCGTGGTGGACCACGTGGTGGCAAATCTCCATCAGTTC  
 TGTGCTCAAAGATCCAGACAGCAATCCATACAGCTTACTTGATAATACAGAATCCGATCAGACTGCAGAC  
 ACTGACGCCAGCAATCTCACCACAGTACTAACCGTCGTAGGCGGTCTCGTAGACGGAGGACTGATGAAG  
 ATGCTGTTCTGATGGATGGACTGACTGAATCTGATACAGCCTCAGTTAATGAGAATGGGCTAGGCAAAAG  
 ATGTGAT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208614 representing NM\_008053  
 Red=Cloning site Green=Tags(s)

MAELTVEVRGNSGAFYKGFIDVHEDSLTVVFENWQPERQVPFNEVRLPPPPDIKKEISEGDEVEVYSR  
 ANDQEPGWLLAKVRMMKGEFYVIEYAACDATYNEIVTFERLRPNQNKTVKNTFFKCTVDVPEHLREA  
 CANENAHKDFKKAAGACRIFYHPETTQLMILSASEATVKRVNLSMDHLRSIRTKLMLSRNEEATKHLE  
 CTKQLAAAFHEEFVVREDLMGLAIGTHGSNIQQARKVPGVTAIELDEDGTGFRIYGESAEAVKKARGFLE  
 FVEDFIQVPRNLVGKVIKNGKVIQEIIVDKSGVVRVRIEGDNENKLPREDGMVFPVFGTKESIGNVQVL  
 LEYHIAYLKEVEQLRMRERLQIDEQLRQIGRSYSGRGRGRRPNYTSYGTNSELNPNSETESERKDELS  
 DWSLAGEDDRETRHQDSRRRPPGGRGRSVSGRGRGGPRGGKSSISSVLKDPDSNPYSLLDNTESDQTAD  
 TDASESHHSTNRRRRRRTDEDAVLMGDLTESDTASVNEENGLGKRC

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

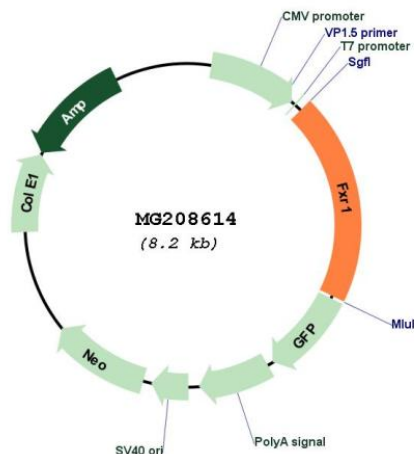
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



<b>ACCN:</b>	NM_008053
<b>ORF Size:</b>	1617 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_008053.1</a> , <a href="#">NP_032079.1</a>
<b>RefSeq Size:</b>	2060 bp
<b>RefSeq ORF:</b>	1620 bp
<b>Locus ID:</b>	14359
<b>UniProt ID:</b>	<a href="#">Q61584</a>
<b>Cytogenetics:</b>	3 A3
<b>Gene Summary:</b>	RNA-binding protein required for embryonic and postnatal development of muscle tissue. May regulate intracellular transport and local translation of certain mRNAs.[UniProtKB/Swiss-Prot Function]