

Product datasheet for **MR208614**

Fxr1 (NM_008053) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fxr1 (NM_008053) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fxr1
Synonyms:	1110050J02Rik; 9530073J07Rik; AI851072; Fxr1h; Fxr1p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208614 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGAGCTGACGGTGGAGGTTGCGGGCTCCAACGGGCTTTCTACAAGGATTTATCAAAGATGTCC
 ACGAAGACTCCCTCACAGTTGTTTTGAAAATAATTGGCAACCAGAACGCCAGGTTCCGTTAATGAAGT
 GCGATTACCACCACCACCTGATATAAAAAAAGAAATTAGTGAAGGAGATGAAGTAGAGGTATATTCAAGA
 GCAAAATGACCAAGAGCCATGTGGATGGTGGCTGGCTAAAGTTCGGATGATGAAAGGCGAGTTTTATGTCA
 TTGAATATGCTGCTTGTGATGCCACTTACAATGAAATAGTCACATTTGAACGACTTCGGCCTGTCAATCA
 AAATAAACTGTCAAAAAAATACCTTCTTTAAGTGCACAGTGGATGTTCTGAGCACCTGAGAGAAGCG
 TGTGCTAATGAAAATGCCATAAAGATTTAAGAAAGCAGTAGGAGCATGCAGAATCTTTTATCATCCTG
 AAACACCCAGCTAATGATACTGTGGCCAGTGAAGCAACTGTGAAGAGAGTAAATATCTTAAGTGATAT
 GCATTTGAGAAGTATTCGGACGAAGTTGATGCTTATGTCCAGAAATGAAGAGGCCACTAAGCATTTAGAA
 TGCACAAAACAACTTGCAGCAGCTTTTCATGAAGAATTTGTTGTGAGAGAAGATTTAATGGCCTGGCGA
 TAGGAACGCATGGCAGTAACATACAGCAAGCTAGGAAGGTTTCTGGAGTTACTGCCATTGAGTTAGATGA
 AGACACCGGAACGTTTAGAATCTATGGAGAGAGTGTGAGGCTGTAAAAAAGCTAGAGGTTTCTTGAA
 TTTGTGGAAGATTTTATTCAAGTCCCAGGAATCTTGTGGAAAAGTAATTGGAAAAATGGCAAAGTTA
 TTCAAGAAATAGTGGATAAACTCTGGTGTGGTTCGAGTAAGAATGAAGGAGACAATGAAAATAAACTACC
 TAGAGAAGACGGAATGGTTCCATTTGATTTGTTGGCACTAAAGAAAGCATTGGGAATGTCAAGTTCTT
 CTAGAGTATCACATCGCTTACTTAAAGGAAGTGAACAACCTAAGAATGGAACGTCTGCAGATTGATGAGC
 AGCTGCGACAGATTGGTCTAGTCTTATAGTGAAGAGGACAGAGTCTCGGGGGCCCTAATTACACCTC
 CGGTTATGGTACAAATCTGAGCTGTCTAACCCCTCCGAAACAGAATCTGAGCGTAAAGATGAGCTGAGT
 GATTGGTCATTGGCAGGAGAAGATGATCGAGAGACTCGACATCAGCGAGACAGCAGGAGACGCCAGGAG
 GAAGAGGCAGAAGTGTCTGGGGGACGAGGTCGTGGTGGACCACGTGGTGGCAAATCTCCATCAGTTC
 TGTGCTCAAAGATCCAGACAGCAATCCATACAGCTTACTTGATAATACAGAATCCGATCAGACTGCAGAC
 ACTGACGCCAGCAATCTCACCACGACTAACCCTCGTAGGCGGTCTCGTAGACGGAGGACTGATGAAG
 ATGCTGTTCTGATGGATGGACTGACTGAATCTGATACAGCCTCAGTTAATGAGAATGGGCTAGGCAAAG
 ATGTGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208614 protein sequence
 Red=Cloning site Green=Tags(s)

MAELTVEVRGNSGAFYKGFIKDVHEDSLTVVFENNQPERQVPFNEVRLPPPPDIKKEISEGDEVEVYSR
 ANDQEPGWWLAKVRMMKGEFYVIEYAACDATYNEIVTFERLRPNQNKTVKNTFFKCTVDVPEHLREA
 CANENAHKDFKAVGACRIFYHPETTQLMILSASEATVKRVNLSMDHLRSIRTKLMLMSRNEEATKHLE
 CTKQLAAAFHEEFVVREDLMGLAIGTHGSNIQQARKVPGVTAIELDEDTGTFRIYGESAEAVKKARGFLE
 FVEDFIQVPRNLVGKVIKNGKVIQEIVDKSGVVRVRIEGDNENKLPREDGMVPFVFGTKESIGNVQVL
 LEYHIAYLKEVEQLRMRERLQIDEQLRQIGRSYSYGRGRRRPNYTSYGTNSEL SNPSETESERKDELS
 DWSLAGEDDRETRHQDRSRRRPGRGRSVSGRGRGGPRGGKSSISSVLKDPDSNPYSLLDNTESDQTAD
 TDASESHHSTNRRRRSRRRRTDEDAVLMGLESSTASVNEENGLKRC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:

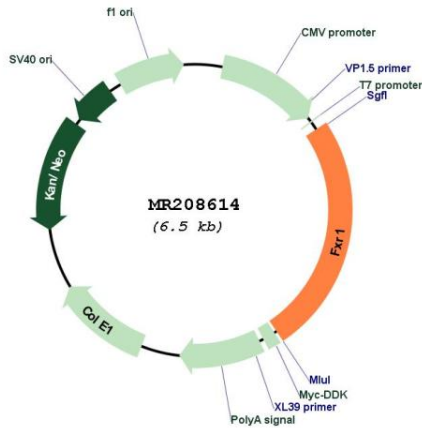


* The last codon before the Stop codon of the ORF

- ACCN:** NM_008053
- ORF Size:** 1620 bp
- OTI Disclaimer:** 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. [More info](#)
- OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
- Components:** 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).
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 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.
- RefSeq:** [NM_008053.1](#), [NM_008053.2](#), [NP_032079.1](#)
- RefSeq Size:** 2079 bp
- RefSeq ORF:** 1620 bp
- Locus ID:** 14359
- UniProt ID:** [Q61584](#)

Cytogenetics: 3 A3
MW: 60.8 kDa
Gene Summary: 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]

Product images:



Circular map for MR208614