

Product datasheet for **MR225698**

Fxr1 (NM_001113188) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fxr1 (NM_001113188) 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:

>MR225698 representing NM_001113188
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAGCTGACGGTGGAGGTTGCGGGCTCCAACGGGCTTTCTACAAGGATTTATCAAAGATGTCC
ACGAAGACTCCCTCACAGTTGTTTTGAAAATAATTGGCAACCAGAACGCCAGGTTCCGTTAATGAAGT
GCGATTACCACCACCTGATATAAAAAAAGAAATTAGTGAAGGAGATGAAGTAGAGGTATATCAAGA
GCAATGACCAAGAGCCATGTGGATGGTGGCTGGCTAAAGTTCGGATGATGAAAGGCGAGTTTTATGTCA
TTGAATATGCTGCTTGTGATGCCACTTACAATGAAATAGTCACATTTGAACGACTTCGGCCTGTCAATCA
AAATAAACTGTCAAAAAAATACCTTCTTTAAGTGCACAGTGGATGTTCTGAGGACCTGAGAGAAGCG
TGTGCTAATGAAATGCCATAAAGATTTAAGAAAGCAGTAGGAGCATGCAGAATCTTTATCATCCTG
AACTACCCAGCTAATGATACTGTGGCCAGTGAAGCACTGTGAAGAGAGTAAATATCTTAAGTGATAT
GCATTTGAGAAGTATTCGGACGAAGTTGATGCTTATGTCCAGAAATGAAGAGGCCACTAAGCATTTAGAA
TGCACAAAACAACTTGCAGCAGCTTTTCATGAAGAATTTGTTGTGAGAGAAGATTTAATGGGCTGGCGA
TAGGAACGCATGGCAGTAACATACAGCAAGCTAGGAAGGTTTCTGGAGTTACTGCCATTGAGTTAGATGA
AGACACCGGAACGTTTAGAATCTATGGAGAGAGTGTGAGGCTGTAAAAAAGCTAGAGGTTTCTTGAA
TTTGTGGAAGATTTTATTCAAGTCCCAGGAATCTTGTGGAAAAGTAATTGGAAAAATGGCAAAGTTA
TTCAAGAAATAGTGGATAAATCTGGTGTGGTTCGAGTAAGAATTGAAGGAGACAATGAAAATAAACTACC
TAGAGAAGACGGAATGGTCCATTTGTATTTGTTGGCACTAAAGAAAGCATTGGGAATGTCAAGTTCTT
CTAGAGTATCACATCGCTTACTTAAAGGAAGTGGAACTAAGAATGGAACGTCTGCAGATTGATGAGC
AGCTGCGACAGATTGGTATGGGTTTCAGACCTTCTCCACCAGAGGGCCTGAAAGAGAGAAGGATATGC
CACTGATGAAAGTACCGTCTCTTCTGTACAAGGTTCTAGGTCTTATAGTGGAAAGGCAGAGGTCGTCCG
GGCCCTAATTACCTCCGGTTATGGTACAAATCTGAGCTGTCTAACCCCTCCGAAACAGAATCTGAGC
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CAGGAGACGCCAGGAGGAAGAGGCAGAAGTGTCTGGGGGACGAGGTCGTGGTGGACCACGTGGTGGC
AAATCCTCCATCAGTTCTGTGCTCAAAGATCCAGACAGCAATCCATACAGCTTACTTGATAATACAGAAT
CCGATCAGACTGCAGACACTGACGCCAGCGAATCTCACCACAGTACTAACCGTCGTAGGCGGTCTCGTAG
ACGGAGGACTGATGAAGATGCTGTTCTGATGGATGGACTGACTGAATCTGATACAGCCTCAGTTAATGAG
AATGGGCTAGATGATAGTAAAAAAACCCAGCGACGCAATCGTAGCCGAGGCGTCGTTTCAGGGGTC
AGGCAGAAGATAGACAGCCAGTACAGTTGCAGATTATTTCTAGAGCTGAGTCTCAGAGCAGACAAG
AAACCTCCAAGGAAAATTTGGCTAAAAACAAGAAAGAAATGGCAAAAGATGTGATTGAAGAGCATGGT
CCTTCAGAAAAGGCAATAAATGGTCCAAGTACGCTTCTGGCGATGAAATTCCTAAGCTACCGCGTACTC
TGGGAGAAGAAAAGACTAAGACCTTAAAAGAAGACAGCACTCAAGAAGCAGCAGTCTGAATGGTGTTC
A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225698 representing NM_001113188
Red=Cloning site Green=Tags(s)

MAELTVEVRGNGAFYKGFIKDVHEDSLTVVFENNWQPERQVPFNEVRLPPPPDIKKEISEGDEVEVYSR
 ANDQPCGWLAKVRMMKGEFYVIEYAACDATYNEIVTFERLRPNQNKTVKNTFFKCTVDVPEDLREA
 CANENAHKDFKKAVGACRIFYHPETTQLMILSASEATVKRVNILDHMLRSIRTKLMLMSRNEEATKHE
 CTKQLAAAFHEEFVREDLMGLAIGTHGSNIQQARKVPGVTAIELDEDTGTFRIYGESAEAVKKARGFLE
 FVEDFIQVPRNLVGKVIKNGKVIQEIYDKSGVVRVRIEGDNENKLPREDGMVPPFVFGTKESIGNVQVL
 LEYHIAYLKEVEQLRMERLQIDEQLRQIGMGRPSSTRGPEREKGYATDESTVSSVQGSRSYSGRGRGR
 GPNYTSGYGTNSELNPNSETESERKDELSDWSLAGEDDRETRHQDRRRRPGGRGRSVSGRGRGGPRGG
 KSSISSVLKDPDSNPYSLLDNTESDQTADTDAESHSTNRRRRRRRRRTDEDAVLMGDLTESDTASVNE
 NGLDDSEKPKQRRNRSSRRRFRGQAEDRQPVTVADYISRAESQSRQRNLPRETLAKNKKEMAKDVEEHG
 PSEKAINGPTSASGDEIPKLPRTLGEKTKLTKEDSTQEA AVLNGVS

TRTRPLEQKLISEEDLANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001113188

ORF Size: 2031 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001113188.1](#), [NP_001106659.1](#)

RefSeq Size: 2339 bp

RefSeq ORF: 2034 bp

Locus ID: 14359

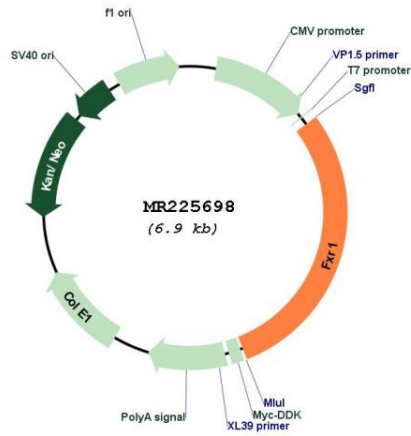
UniProt ID: [Q61584](#)

Cytogenetics: 3 A3

MW: 76.7 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 MR225698