

## Product datasheet for MR204782

### Fbl (NM\_007991) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fbl (NM_007991) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbl
Synonyms:	AL022665; FIB; FLRN; RNU3IP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204782 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCCAGGTTTCAGCCCCGTGGGGTGGCTTTGGTGGCAGAGGCGGCTTTGGTGACAGAGGCGGTA  
GAGGAGGTGGAAGAGGAGGCCGAGGAGGCTTTGGCGGTGGACGAGGAGGCTTTGGCGGTGGAGGTCGAGG  
TCGAGGCGGAGGGGGTGGTGGCTTCAGGGGACGAGGAGGTGGCGGTGGCCGAGGTGGGGCTTCCAGTCT  
GGGGCAACCGGGTTCGAGGTGGTGGCCGGGAGGCAAGAGAGAAACCAGTCAGGAAGAATGTGATGG  
TGGAGCCGCATCGTCATGAAGGTGTCTTATCTGTGCGGAAAGGAGGATGCCCTTGTCACAAAGAATCT  
GGTCCCTGGAGAGTCTGTGTATGGAGAGAAGAGAGTCTCTATTTTCAGAAGGAGATGACAAAATTGAGTAC  
AGAGCCTGGAACCCCTTCCGCTCCAAGCTGGCAGCAGCTATCCTGGGCGGCTAGACCAGATCCACATCA  
AGCCAGGAGCCAAGGTGCTCTACCTTGGGGCAGCCTCAGGCACCACCGTCTCCCACGTCTCTGATATTGT  
CGGCCCGGATGGTCTGGTCTACGCAGTTGAGTTCTCCACCGCTCTGGCCGTGACCTCATCAACTGGCC  
AGAAGAGGACTAACATTATTCCTGTAATTGAAGATGCTCGACACCCACAAAATACCGCATGCTTATCG  
CAATGGTGGATGTCATCTTTGCCGATGTGGCCAGCCAGACCAACCCGAATTGTGGCCCTGAACGCCCA  
CACCTTCTGCGAATGGAGGACACTTTGTGATTTCCATTAAGGCCAACTGCATTGACTCCACTGCGTCA  
GCAGAGGCTGTGTTTGCATCTGAAGTGAAGAAGATGCAGCAGGAGAACATGAAGCCGAGGAGCAGCTGA  
CGTAGAGCCTTATGAGCGAGACCACGCCGTGGTTGTGCGTGTGTACAGGCCACCTCCCAAGGTGAAGAA  
C

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204782 protein sequence  
Red=Cloning site Green=Tags(s)

MKPGFSPRGGGF GGRGGF GDRGGRGGGRGGGF GGGRGGF GGGGRGGGGGGFRGRGGGGRGGGFQS  
 GGNRGRGGGRGGKRGNSGKNMVEPHRHEGVFICRGKEDALVTKNLVPGESVYGEKRVSI SEGDDKIEY  
 RAWNPFRSKLAAILGGVDQIHIKPGAKVLYLGAASGTTVSHVSDIVGPDGLVYAVEFSHRSGRDLINLA  
 KKRTNIIPVIEDARHPHKYRMLIAMVDVIFADVAQPDQTRIVALNAHTFLRNGGHFVISIKANCIDSTAS  
 AEAVFASEVKKMQENMKPQEQLTLEPYERDHAVVVGYYRPPPKVKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_007991

**ORF Size:** 984 bp

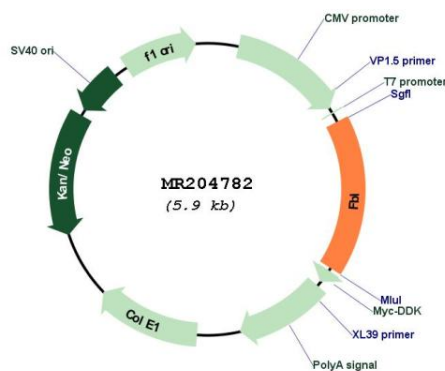
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of 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](mailto: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.

<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>	<u><a href="#">NM_007991.3</a></u> , <u><a href="#">NP_032017.2</a></u>
<b>RefSeq Size:</b>	1159 bp
<b>RefSeq ORF:</b>	984 bp
<b>Locus ID:</b>	14113
<b>UniProt ID:</b>	<u><a href="#">P35550</a></u>
<b>Cytogenetics:</b>	7 A3
<b>MW:</b>	34.3 kDa
<b>Gene Summary:</b>	S-adenosyl-L-methionine-dependent methyltransferase that has the ability to methylate both RNAs and proteins. Involved in pre-rRNA processing by catalyzing the site-specific 2'-hydroxyl methylation of ribose moieties in pre-ribosomal RNA. Site specificity is provided by a guide RNA that base pairs with the substrate. Methylation occurs at a characteristic distance from the sequence involved in base pairing with the guide RNA. Also acts as a protein methyltransferase by mediating methylation of 'Gln-105' of histone H2A (H2AQ104me), a modification that impairs binding of the FACT complex and is specifically present at 35S ribosomal DNA locus (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR204782