

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
TCGAGGCGGAGGGGGTGGTGGCTTCAGGGGACGAGGAGGTGGCGGTGGCCGAGGTGGGGGCTTCAGTCT
GGGGGCAACCGGGTCGAGGTGGTGGCCGGGAGGCAAGAGAGGAAACCAGTCAGGGAAGAATGTGATGG
TGGAGCCGCATCGTCATGAAGGTGTCTTTATCTGTGCGGAAAGGAGGATGCCCTTGTACAAAGAATCT
GGTCCCTGGAGAGTCTGTGTATGGAGAGAAGAGAGTCTCTATTTTCAGAAGGAGATGACAAAATTGAGTAC
AGAGCCTGGAACCCCTTCGCTCCAAGCTGGCAGCAGCTATCCTGGGCGCGTAGACCAGATCCACATCA
AGCCAGGAGCCAAGGTGCTCTACCTTGGGGCAGCCTCAGGCACCACCGTCTCCACGTCTCTGATATTGT
CGGCCCCGATGGTCTGGTCTACGCAGTTGAGTTCTCCACCGCTCTGGCCGTGACCTCATCAACTTGGCC
AAGAAGAGGACTAACATTATTCCTGTAATTGAAGATGCTCGACCCACACAAATACCGCATGCTTATCG
CAATGGTGGATGTCATCTTTGCCGATGTGGCCAGCCAGACCAACCCGAATTGTGGCCCTGAACGCCCA
CACCTTCTGCGAATGGAGGACACTTTGTGATTTCCATTAAGGCCAACTGCATTGACTCCACTGCGTCA
GCAGAGGCTGTGTTTGCATCTGAAGTGAAGAAGATGCAGCAGGAGAACATGAAGCCGAGGAGCAGCTGA
CGCTAGAGCCTTATGAGCGAGACCACGCCGTGGTTGTGCGGTGTGTACAGGCCACCTCCCAAGGTGAAGAA
C

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

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

MKPGFSPRGGGFGGRGGFGDRGGRGGGRGGFGGGGRGGFGGGGRGGGGGGFRGRRGGGGRRGGGFQS
 GGNRGRGGGRGGKRGNGSGKNMVEPHRHEGVFICRGKEDALVTKNLVPGESVYGEKRVSISEGDDKIEY
 RAWNPFRSKLAAAILGGVDQIHIKPGAKVLYLGAASGTTVSHVSDIVGPDGLVYAVEFSHRSGRDLINLA
 KKRTNIIPVIEDARHPHKYRMLIAMVDVIFADVAQPDQTRIVALNAHTFLRNGGHFVISIKANCIDSTAS
 AEAVFASEVKKMQENMKPQEQLTLEPYERDHAVVVGVRPPPKVKVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007991

ORF Size: 981 bp

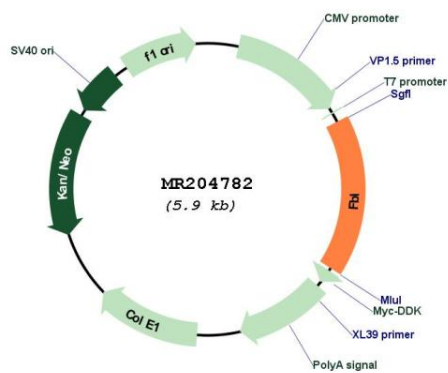
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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:	<ol style="list-style-type: none"> 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_007991.3, NP_032017.2</u>
RefSeq Size:	1159 bp
RefSeq ORF:	984 bp
Locus ID:	14113
UniProt ID:	<u>P35550</u>
Cytogenetics:	7 A3
MW:	34.3 kDa
Gene Summary:	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