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Product datasheet for MR204472

Fbll1 (NM_001004147) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbll1 (NM_001004147) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbll1
Synonyms:	AI595406
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR204472 representing NM_001004147
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAACCCGCGGGCGGCCGCGGCGGCTGGGGCTGGGGTGGCGGCAAGGGAGGCAGCAAGGGAGGTGACA
CGGGCTCAGGGACCAAAGGCGGCTTCGGGGCACGCACACGCGGCTCCAGCGGCGGCGGCCGGGGCCGGGG
ACGAGGCGGCGGCGGGGGCGGCGGGGGCGGCGGCGGCGACAGGCAGCGACGCGGCGGTCCAGGCAAGAAC
AAGAACCGCCGCAAGAAGGGCATCACGGTGTCGGTGGAGCCGCATCGGCACGAGGGCGTGTTCATCTACC
GCGGCGCGGAGGATGCTCTGGTCACACTGAACATGGTGCCTGGAGTCTCGGTGTACGGCGAGAAGCGCGT
CACCGTGATGGAGAACGGGGAGAAACAGGAGTACCGCACGTGGAATCCCTTCCGCTCCAAATTGGCAGCG
GCCATCCTGGGCGGCGTGGACCAGATCCACATCAAGCCCAAGTCCAAAGTGTTGTACCTGGGCGCCGCCT
CCGGAACCACTGTCTCACACGTCTCCGACATCATCGGCCCCGACGGCCTGGTCTATGCGGTTGAATTCTC
CCATCGCGCCGGCCGCGATCTGGTCAACGTGGCCAAGAAGCGCACCAACATCATCCCGGTGCTGGAAGAT
GCCCGGCACCCGCTCAAGTATCGCATGCTCATTGGCATGGTGGACGTGATCTTCGCCGATGTGGCCCAGC
CAGATCAGTCGCGCATCGTGGCGCTTAACGCCCACACCTTTCTGCGCAACGGAGGCCACTTTCTCATTTC
CATCAAGGCCAACTGCATCGACTCCACAGCGTCTGCCGAGGCCGTGTTTGCTTCTGAGGTGAGGAAGCTG
CAACAGGAGAACTTGAAGCCACAGGAGCAGCTGACTCTGGAGCCCTACGAAAGGGACCACGCCGTCGTCG
TCGGGGTCTATCGGCCCCCACCCAAGAGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>MR204472 representing NM_001004147
Red=Cloning site Green=Tags(s)

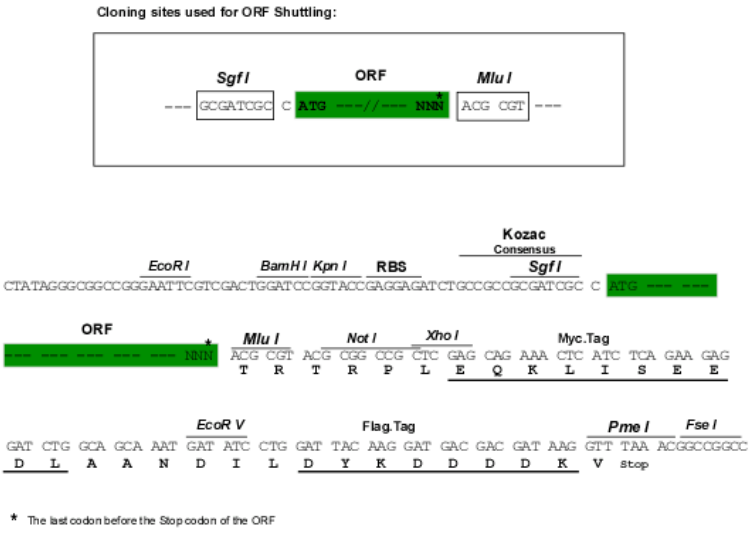
MKPAGGRGGWGWGGGKGGSKGGDTGSGTKGGFGARTRGSSGGGRGRGRGGGGGGGGGGGDRQRRGGPGKN
KNRRKKGITVSVEPHRHEGVFIYRGAEDALVTLNMVPGVSVYGEKRVTVMENGEKQEYRTWNPFRSKLAA
AILGGVDQIHIKPKSKVLYLGAASGTTVSHVSDIIGPDGLVYAVEFSHRAGRDLVNVAKKRTNIIPVLED
ARHPLKYRMLIGMVDVIFADVAQPDQSRIVALNAHTFLRNGGHFLISIKANCIDSTASAEAVFASEVRKL
QQENLKPQEQLTLEPYERDHAVVVGVYRPPPKSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9092_e12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001004147

ORF Size: 942 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_001004147.3, NP_001004147.1

RefSeq Size: 1522 bp

RefSeq ORF: 945 bp

Locus ID: 237730

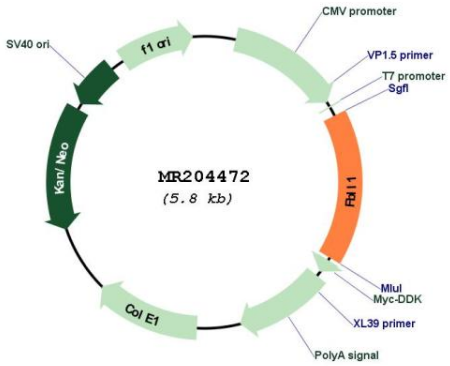
UniProt ID: Q80WS3

Cytogenetics: 11 A4

MW: 33.3 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. Also acts as a protein methyltransferase by mediating methylation of glutamine residues (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204472