

Product datasheet for RR207477L3

Fbl (NM_001025643) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Fbl (NM_001025643) Rat Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Fbl

Synonyms: MGC116371

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

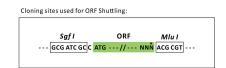
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RR207477).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_001025643

ORF Size: 981 bp



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Fbl (NM_001025643) Rat Tagged Lenti ORF Clone - RR207477L3

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: <u>NM 001025643.1</u>, <u>NP 001020814.1</u>

 RefSeq Size:
 1208 bp

 RefSeq ORF:
 984 bp

 Locus ID:
 292747

 UniProt ID:
 P22509

 Cytogenetics:
 1q21

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

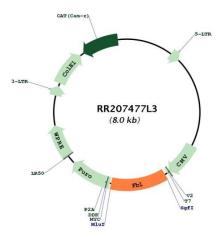
the sequence involved in base pairing with the guide RNA. Also acts as a protein

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 RR207477L3