

Product datasheet for RC230175L3

OriGene Technologies, Inc.

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FKLF / KLF11 (KLF11) (NM_001177718) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: FKLF / KLF11 (KLF11) (NM 001177718) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: FKLF / KLF11

Synonyms: FKLF; FKLF1; MODY7; TIEG2; Tieg3

Mammalian Cell

Selection:

Puromycin

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

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

ORF Nucleotide

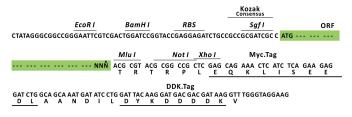
The ORF insert of this clone is exactly the same as(RC230175).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001177718

ORF Size: 1485 bp





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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 001177718.1</u>, <u>NP 001171189.1</u>

2p25.1

 RefSeq Size:
 4054 bp

 RefSeq ORF:
 1488 bp

 Locus ID:
 8462

 UniProt ID:
 014901

Protein Families: Transcription Factors

MW: 53.3 kDa

Cytogenetics:

Gene Summary: The protein encoded by this gene is a zinc finger transcription factor that binds to SP1-like

sequences in epsilon- and gamma-globin gene promoters. This binding inhibits cell growth and causes apoptosis. Defects in this gene are a cause of maturity-onset diabetes of the young type 7 (MODY7). Three transcript variants encoding two different isoforms have been

found for this gene. [provided by RefSeq, Apr 2010]