

## Product datasheet for **SC117874**

### **FKLF / KLF11 (KLF11) (NM\_003597) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FKLF / KLF11 (KLF11) (NM_003597) Human Untagged Clone
Tag:	Tag Free
Symbol:	FKLF / KLF11
Synonyms:	FKLF; FKLF1; MODY7; TIEG2; Tieg3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003597, the custom clone sequence may differ by one or more nucleotides

```
ATGCACACGCCGACTTCGCAGGCCAGACGACGCGCGCAGTTGACATCATGGACATATGTGAGTCCA
TCCTGGAGAGGAAGCGGCATGACAGCGAAAGGTCTACTTGCAGCATCTTGGAGCAGACAGACATGGAAGC
TGTCGAGGCTCTGTTTGTATGAGCTCTGGGGTCAAAGATCCCAGAAAGGTGACCTGTTGCGGATAAGA
CCCCTCACGCCTGTCTGACTCTGGGGATGTACCACCACTGTGCATATGGATGCAGCCACACCTGAAC
TACAAAAGACTTCCATTCTTTATCGACTCTGTGCATAACTCCTCCTCAGAGCCCTGATCTCGTGGAGCC
ATCGACAAGGACACCTGTTTCTCCCAAGTAACAGATTCAAAGCATGTACAGCCACGGATGTTCTCCAG
TCCTCTGCCGTAGTGCCAGAGCTCTGAGCGGGGCGCGGAGAGGGGCTTGTGGTGGAGCCAGTGC
CCAGCTCTCCCTGCAGGGCCAAGGGGACTAGCGTGATCCGACACACTGGGGAGAGCCCTGCCTGCCTGCTT
TCCCACATCCAGACTCCAGATTGCCGGCTTTCTGACAGCAGAGAAGGAGAAGAGCAGCTTCTGGGACAC
TTTGAACTTTGCAGGACACACCTCACGGACAGTTTACTCAGCACTAACTTGGTGTCTGTGACGCCCT
GCTTGACAAGTCTGGTGGCCTGCTGCTCACTGACAAAGGCCAGCAGGCAGGGTGGCCTGGTGCAGTTCA
GACTTGCTCACAAAGAATTATGAAAATGACCTGCCAGGAAAACCACCCCTCTGATTTCTGTCTCTGTC
CCTGCTCCCCCTGTCTTTGCCAGATGATCCCTGTGACTGGACAAAGTAGCATGTTACCAGCTTTTTTGA
AGCCCCCTCCCAGTTGTCTGTGGGACTGTGAGACCCATCCTAGCTCAGGCTGCTCCAGCGCCTCAACC
TGTGTTCTGTGGACCTGCTGTGCTCAGGGAGCTGTGATGTTGGTCTGCCAGGGAGCCCTCCCTCCG
CCTGCCCTGTGCAGCCAATGTCATGGCTGCCGGGAATACCAAGTTGTTGCCCTTGGCCCTGCTCCAG
TGTTTCATCACCTTAGCCAAAAGTGTGTCCTCAGGTAGACTTTTCCCGAAGGAGAACTATGTTTGCAG
CTTCCCAGGTTGCCGGAAGACCTACTTCAAAGTTCCACCTTAAGGCCATCTTCGCACTCACACAGGG
GAGAAGCCTTTCAACTGCAGCTGGGATGGCTGTGATAAAAAGTTGCTCGTTCGGATGAGCTGTCACGCC
ACCGCAGAACTCACACAGGGGAGAAGAAGTTGTGTGCCCGGTGTGTGACCGACGTTTCATGCGCAGTGA
CCACCTGACGAAGCATGCCCGGCCACATGACGACCAAGAAGATCCCAGGCTGGCAGGCAGAGGTTGGC
AAGCTGAACAGAATCGCCTCTGCAGAGAGCCCGGGAGCCCACTGGTGTGATGCCAGCCTCTGCCTGA
```



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**5' Read Nucleotide Sequence:**

```
>OriGene 5' read for NM_003597 unedited
TTATTACCCCGCCGTTGNCGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAA
GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCG
CGAATTCGGCACGAGGCCGGGGCAGAGCCGCGCGGGCGGGCGAGGCGCGTCCGGCCGCA
GGAGTCCGGGTTGCCGCCGCGCCGCCGAGCCACGTGCGGCCGCTGCTGCGCCCGA
GCTCACGCCCCGCGGCCGCTTTGTTGCTCCCGCCGCGCTGCACGATGCACACGCCGGAC
TTCCGAGGCCAGACGACGCGCGCAGTTGACATCATGGACATATGTGAGTCCATCCTG
GAGAGGAAGCGGCATGACAGCGAAAGGTCTACTTGCAGCATCTTGAGCAGACAGACATG
GAAGCTGTCGAGGCTCTTGTGTTGATGACTCCTGGGGTCAAAGATCCCAGAAAGGTGAC
CTGTTGCGGATAAGACCCCTCACGCTGTCTGACTCTGGGGATGTCACCACCACTGTG
CATATGGATGCAGCCACACCTGAACTACCAAAAGACTTCCATTCTTTATCGACTCTGTG
ATAACTCTCCTCAGAGCCCTGATCTCGTGGAGCCATCGACAAGGACACCTGTTTCTCC
CAAGTAACAGATCCAAAGCATGTACAGCCACGGATGTTCTCCAGTCTCTGCCGTAGT
GCCANAGCTCTGAGCGGGGGCGCGGAGAGGGGCTTGTGGGGTTGGAGCCAGTCCCAGC
TCTCCCTGCAGGGCCAGGGGACTAGCGTATCCGCACACTGGGGGAGAGCCTGCTGNCTG
CTTCCACCATNCGACTNCAAGATTGCCGCTTCTGACACAGAGAGAGAGAGCAGCTTCT
GGACACTTGAAGTTCAGACCACACTACGGCAGTTACTAACTACTTG
```

**3' Read Nucleotide Sequence:**

```
>OriGene 3' read for NM_003597 unedited
NGGCAACTACTGTGTACCTTGTGCCGCTTCTANNGTCGAGTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCAAGGAAAATCAATTTTTATTTGATTCA
AAGAAAAAAGTTACCTTACACATGCTCGTTAAATAATGTCAAAGTCTGTACATAAAA
CATAATTATGAAACATTTTAAGTCTTATCATTCAAACACTTAAAAGGCTCAAAGTCCCA
AAAGATCAAGCAAACTGCCAGGCAATAAAGTGCACGAGGGGAGCCACCTTCCAGGG
GCCGTCAGCACCCAAAGCCGCCAGCTGAGGGCTCCATGCCGAATCCCTACCCAAGTTTTG
GGGTTCTCAAAAAAGTTTTCAAACAGGAACTGTTTCAAACCTAAAATCTTTCAACAGACA
AATGGAGTGGAAAGGGGATGGTTTACACAAAAGTTTTTCAAATGTAATCAGGAAATGGA
AGTGTAAATTAACCGTTTTCAACATGTATCTCCCTTAAAAATATCACTGCTTGAA
AATGTTGGGACAAGCAACCAATCTCAAAAAACCTTATCCACCAAAATACTGGCAGGAC
TCACATTACTTTGCATGTGATAATTAATAAAAAATCCCAATTTGATGCCTTTTTAGTG
TGTCAGTCAAAAATGTGTTTCCCGATTTTGTGATGAACAGGAAAAAGGACTGGGGGGGAG
GAAACATGAACCTTGCCCCACATGAGACAACCTGGGCTGTCTTCCCAAAACCCGAACCTCC
CTTTGGGAGGGTCCAGACCTGAAACCCCTGAATAACACCCCTTTGGGGCCAGTAACCGC
CTGTTCTAAGGGGCAGTTAACGGGTTTTAAGTCCCC
```

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_003597

**Insert Size:**

4500 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_003597.4](#), [NP\\_003588.1](#)

**RefSeq Size:** 4051 bp

**RefSeq ORF:** 1539 bp

**Locus ID:** 8462

**UniProt ID:** [O14901](#)

**Cytogenetics:** 2p25.1

**Domains:** zf-C2H2

**Protein Families:** Transcription Factors

**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]

Transcript Variant: This variant (1) encodes the longer isoform (a).