

Product datasheet for **SC328812**

FKLF / KLF11 (KLF11) (NM_001177716) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FKLF / KLF11 (KLF11) (NM_001177716) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLF11
Synonyms:	FKLF; FKLF1; MODY7; TIEG2; Tieg3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001177716, the custom clone sequence may differ by one or more nucleotides

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ATGGACATATGTGAGTCCATCCTGGAGAGGAAGCGGCATGACAGCGAAAGGTCTACTTGG
AGCATCTTGGAGCAGACAGACATGGAAGCTGTCGAGGCTTTGTTTGTATGAGCTCCTGG
GGTCAAAGATCCCAGAAAGGTGACCTGTTGCGGATAAGACCCCTCACGCCTGTCTCTGAC
TCTGGGGATGTCACCACCACTGTGCATATGGATGCAGCCACACCTGAACTACAAAAGAC
TTCCATTCTTTATCGACTCTGTGCATAACTCCTCCTCAGAGCCCTGATCTCGTGGAGCCA
TCGACAAGGACACCTGTTTCTCCCCAAGTAACAGATTCCAAAGCATGTACAGCCACGGAT
GTTCTCCAGTCTCTGCCGTAGTGGCCAGAGCTCTGAGCGGGGGCGGGAGAGGGGCTTG
CTGGGTTTGGAGCCAGTCCCAGCTCTCCCTGCAGGGCCAAGGGGACTAGCGTGATCCGA
CACACTGGGAGAGCCCTGCTGCCTGCTTTCCACCATCCAGACTCCAGATTGCCGGCTT
TCTGACAGCAGAGAAGGAGAAGAGCAGCTTCTGGGACACTTTGAAACTTTGCAGGACACA
CACCTCACGGACAGTTTACTCAGCACTAACTTGGTGTCTGTGAGCCCTGCTTGCACAAG
TCTGGTGGCCTGCTGCTCACTGACAAAGGCCAGCAGGCAGGGTGGCCTGGTGCAGTTCAG
ACTTGCTCACAAAGAATTATGAAAATGACCTGCCAGGAAAACCACCCCTCTGATTTCT
GTCTGTGCTCCTGCTCCCCTGTCTTTGCCAGATGATCCCTGTGACTGGACAAAGTAGC
ATGTTACCAGCTTTTTTGAAGCCCCCTCCCAGTTGTCTGTGGGACTGTGAGACCCATC
CTAGCTCAGGCTGCTCCAGCGCCTCAACCTGTGTTGTTGGGACCTGCTGTGCCTCAGGA
GCTGTGATGTTGGTCTGCCCCAGGGAGCCCTCCCTCCGCTGCCCTGTGCAGCCAAT
GTCTGGCTGCCGGAATACCAAGTTGTTGCCCTTGCCCTGCTCCAGTGTTCATCACC
TCTAGCCAAAAGTGTGCTCCTCAGGTAGACTTTTCCCGAAGGAGAACTATGTTTGCAGC
TTCCCAGTTGCCGGAAGACCTACTTCAAAGTTCCACCTTAAGGCCATCTTCGCACT
CACACAGGGGAGAAGCCTTTCAACTGCAGCTGGGATGGCTGTGATAAAAAGTTTGTCTGT
TCGGATGAGCTGTACGCCACCGCAGAAGTACACAGGGGAGAAGAAGTTTGTGTGCCCC
GTGTGTGACCGACGTTTTCATGCGCAGTGACCACCTGACGAAGCATGCCCGGCCACATG
ACGACCAAGAAGATCCCAGGCTGGCAGGCAGAGGTTGGCAAGCTGAACAGAATCGCCTCT
GCAGAGAGCCCGGGAGCCCACTGGTGAGCATGCCAGCCTCTGCCTGA

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Restriction Sites:	Please inquire
ACCN:	NM_001177716
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
RefSeq:	<u>NM_001177716.1</u> , <u>NP_001171187.1</u>
RefSeq Size:	3906 bp
RefSeq ORF:	1488 bp
Locus ID:	8462
UniProt ID:	<u>O14901</u>
Cytogenetics:	2p25.1
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2 and 3 both encode the same isoform (b). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>