

Product datasheet for **RC230175**

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

Product data:

Product Type:	Expression Plasmids
Product Name:	FKLF / KLF11 (KLF11) (NM_001177718) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FKLF / KLF11
Synonyms:	FKLF; FKLF1; MODY7; TIEG2; Tieg3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC230175 representing NM_001177718
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACATATGTGAGTCCATCCTGGAGAGGAAGCGGCATGACAGCGAAAGGTCTACTTGCAGCATCTTGG
 AGCAGACAGACATGGAAGCTGTCGAGGCTCTGTTTGTATGAGCTCCTGGGGTCAAAGATCCCAGAAAGG
 TGACCTGTTGCGGATAAGACCCCTCACGCCTGTCTGACTCTGGGGATGTCACCACCACTGTGCATATG
 GATGCAGCCACACCTGAACTACCAAAGACTTCCATTCTTTATCGACTCTGTGCATAACTCCTCCTCAGA
 GCCCTGATCTCGTGGAGCCATCGACAAGGACACCTGTTTCTCCCAAGTAAACAGATTCCAAAGCATGTAC
 AGCCACGGATGTTCTCCAGTCTCTGCCGTAGTGGCCAGAGCTCTGAGCGGGGGCGGGAGAGGGGCTTG
 CTGGGTTTGGAGCCAGTCCCAGCTCTCCCTGCAGGGCCAAGGGGACTAGCGTGATCCGACACACTGGGG
 AGAGCCCTGCTGCCTGCTTCCACCATCCAGACTCCAGATTGCCGGCTTCTGACAGCAGAGAAGGAGA
 AGAGCAGCTTCTGGGACACTTTGAACTTTCAGGACACACACCTCACGGACAGTTTACTCAGCACTAAC
 TTGGTGTCTGTAGCCCTGCTTGCACAAGTCTGGTGGCCTGCTGCTCACTGACAAGGCCAGCAGGCAG
 GGTGGCCTGGTGCAGTTCAGACTTGCTCACAAAGAATTATGAAAATGACCTGCCAGGAAAACACCCC
 TCTGATTTCTGTCTGTCCCTGCTCCCTGTCTTGGCCAGATGATCCCTGTGACTGGACAAAGTAGC
 ATGTTACCAGTTTTTTGAAGCCCCCTCCCAGTTGTCTGTGGGGACTGTGAGACCCATCCTAGCTCAGG
 CTGCTCCAGCGCCTCAACCTGTGTTCTGTGGGACCTGCTGTGCCTCAGGGAGCTGTGATGTTGGTCTGCC
 CCAGGGAGCCCTCCCTCCGCCTGCCCTGTGCAGCCAATGTATGGTCCGGGAATACCAAGTTGTTG
 CCCCTTGCCCTGCTCCAGTGTTCATCACCTTAGCCAAAAGTGTGCTCCCTCAGGTAGACTTTCCCGAA
 GGAGGAACTATGTTTGCAGCTTCCAGGTTGCCGGAAGACCTACTTCAAAGTTCCACCTTAAGGCCCA
 TCTTCGCACTCACACAGGGGAGAAGCCTTCAACTGCAGCTGGGATGGCTGTGATAAAAAGTTTGTCTCGT
 TCGGATGAGCTGTACGCCACCGCAGAAGTACACAGGGGAGAAGAAGTTTGTGTGCCCGGTGTGTGACC
 GACGTTTTCATGCGCAGTGACCACCTGACGAAGCATGCCCGGCCACATGACGACCAAGAAGATCCAGG
 CTGGCAGGCAGAGGTTGGCAAGCTGAACAGAATCGCTCTGCAGAGAGCCCGGGGAGCCACTGTTGAGC
 ATGCCAGCCTCTGCC

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230175 representing NM_001177718
 Red=Cloning site Green=Tags(s)

MDICESILERKRHDSERSTCSILEQTDMEAVEALVCMSSWGQRSQKGDLLRIRPLTPVSDSGDVTTTVHM
 DAATPELPKDFHSLSTLCITPPQSPDLVEPSTRTPVSPQVTDKACTATDVLQSSAVVARALSGGAERGL
 LGLEPVSPSPCRKGTSVIRHTGESPAACFPTIQTPDCRLSDSREGEEQLLGHFETLQDTHLTDSLSTN
 LVSCQPCLHKSGLLLTDKGQQAGWPQAVQTCSPKNYENDLPRKTTPLISVSVAPPVLCQMIPVTGQSS
 MLPAFLKPPPPQLSVGTVRPILAQAAPAPQPVFVGPVAVPQAVMLVLPQALPPPAPCAANVMAAGNTKLL
 PLAPAPVFITSSQNCVPQVDFSRRRNYVCSFPGCRKTYFKSSHLKAHLRHTHTGEKPFNCSWDGCDKFFAR
 SDEL SRHRRHTHTGEKFFVCPVCDRRFMRSDDLTKHARRHMTTKKIPGWQAEVGLNRIASAEPSGSPVLS
 MPASA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8063_d05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001177718

ORF Size: 1485 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_001177718.1](#), [NP_001171189.1](#)

RefSeq Size: 4054 bp

RefSeq ORF: 1488 bp

Locus ID: 8462

UniProt ID: [O14901](#)

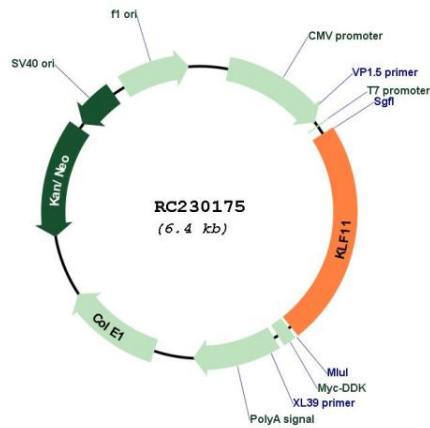
Cytogenetics: 2p25.1

Protein Families: Transcription Factors

MW: 53.3 kDa

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]

Product images:



Circular map for RC230175