

Product datasheet for **RG209194**

FKLF / KLF11 (KLF11) (NM_003597) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FKLF / KLF11 (KLF11) (NM_003597) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FKLF / KLF11
Synonyms:	FKLF; FKLF1; MODY7; TIEG2; Tieg3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG209194 representing NM_003597
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCACACGCCGGACTTCGCAGGCCAGACGACGCGCGCGCAGTTGACATCATGGACATATGTGAGTCCA
 TCCTGGAGAGGAAGCGGCATGACAGCGAAAGGCTACTTGCAGCATCTTGAGCAGACAGACATGGAAGC
 TGTCGAGGCTCTTGTGTATGAGCTCCTGGGGTCAAAGATCCCAGAAAGGTGACCTGTTGCGGATAAGA
 CCCCTCACGCCTGTCTGACTCTGGGGATGTCACCACCCTGTGCATATGGATGCAGCCACACCTGAAC
 TACCAAAAGACTTCCATTCTTTATCGACTCTGTGCATAACTCCTCCTCAGAGCCCTGATCTCGTGGAGCC
 ATCGACAAGGACACCTGTTTCTCCCAAGTAACAGATTCAAAGCATGTACAGCCACGGATGTTCTCCAG
 TCCTCTGCCGTAGTGCCAGAGCTCTGAGCGGGGCGCGGAGAGGGGCTTGTGGGTTTGGAGCCAGTGC
 CCAGCTCTCCCTGCAGGGCCAAGGGGACTAGCGTGATCCGACACACTGGGAGAGCCCTGCTGCCTGCTT
 TCCCACATCCAGACTCCAGATTGCCGGCTTTCTGACAGCAGAGAAGGAGAAGAGCAGCTTCTGGGACAC
 TTTGAAACTTTGCAGGACACACCTCACGGACAGTTTACTCAGCACTAACTTGGTGTCTGTCAGCCCT
 GCTTGACAAGTCTGGTGGCCTGCTGCTCACTGACAAAGGCCAGCAGGCAGGGTGGCCTGGTGCAGTTCA
 GACTTGCTCACCAAGAATTATGAAAATGACCTGCCAGGAAAACCACCCTCTGATTTCTGTCTGTCTGTC
 CCTGCTCCCCCTGTCTTTGCCAGATGATCCCTGTGACTGGACAAAGTAGCATGTTACCAGCTTTTTTGA
 AGCCCCCTCCCAGTTGTCTGTGGGGACTGTGAGACCCATCCTAGCTCAGGCTGCTCCAGCGCCTCAACC
 TGTGTTCTGTGGGACCTGCTGTGCCTCAGGGAGCTGTGATGTTGGTCTGCCAGGGAGCCCTCCCTCCG
 CCTGCCCTGTGCAGCAATGTATGGCTGCCGGGAATACCAAGTTGTTGCCCTTGCCCTGCTCCAG
 TGTTCACTACCTTAGCCAAAAGTGTCTCCTCAGGTAGACTTTTCCCAGGAGGAAGTATGTTTCCAG
 CTTCCCAGGTTGCCGGAAGACCTACTTCAAAGTTCCACCTTAAGGCCATCTTCGCACCTCACACAGGG
 GAGAAGCCTTTCACTGCAGCTGGGATGGCTGTGATAAAAAGTTTGTCTGTTCCGATGAGCTGTACGCC
 ACCGCAGAACTCACACAGGGGAGAAGAAGTTTGTGTGCCCGGTGTGTGACCGACGTTTTCATGCGCAGTGA
 CCACCTGACGAAGCATGCCCGGCCACATGACGACCAAGAAGATCCCAGGCTGGCAGGCAGAGGTTGGC
 AAGCTGAACAGAATCGCCTCTGCAGAGAGCCGGGAGCCACTGGTGGATGCCAGCCTCTGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG209194 representing NM_003597
 Red=Cloning site Green=Tags(s)

MHTPDFAGPDDARAVIDIMDICESILERKRHDSERSTCSILEQTDMEAVEALVCMSSWGQRSQKDLLRIR
 PLTPVSDSGDVTTTVHMDAATPELPHKDFHSLSTLCITPPQSPDLVEPSTRTPVSPQVTDKACTATDVLQ
 SSAVVARALSGGAERGLLGLPEVPSPCRAGKTSVIRHTGESPAACFPTIQTDCRLSDSREGEEQLLGH
 FETLQDTHLTDSSLSTNLVSCQPLHKSGLLLTDKGQQAGWPGAVQTCSPKNYENDLPRKTTPLISVSV
 PAPPVLCQMIPVTGQSSMLPAFLKPPPQLSVGTVRPILAQAAPAPQPVFVGPVAVPQAVMLVLPQALPP
 PAPCAANVMAAGNTKLLPLAPAPVFITSSQNCVPQVDFSRRRNYVCSFPGCRKTYFKSSHLKAHLRHTHTG
 EKPFNCSDWGDCKKFARSDEL SRHRHTHTGEKKFVCPVCDRRFMRSDDLTKHARRHMTTKKIPGWQAEVG
 KLNRIASAESPGSPLVSMPPASA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_003597

ORF Size: 1536 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_003597.4](#), [NP_003588.1](#)

RefSeq Size: 4051 bp

RefSeq ORF: 1539 bp

Locus ID: 8462

UniProt ID: [O14901](#)

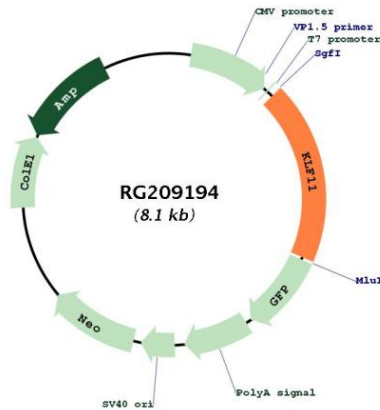
Cytogenetics: 2p25.1

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]

Product images:



Circular map for RG209194