

Product datasheet for **RG200695**

FLI1 (NM_002017) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLI1 (NM_002017) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FLI1
Synonyms:	BDPLT21; EWSR2; SIC-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG200695 representing NM_002017
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGGGACTATTAAGGAGGCTGTGCGGTGGTGGAGCGACGACCAGTCCCTCTTTGACTCAGCGTACG
 GAGCGGCAGCCATCTCCCAAGCCGACATGACTGCCTCGGGGAGTCTGACTACGGGCAGCCCCACAA
 GATCAACCCCTCCACCACAGCAGGAGTGGATCAATCAGCCAGTGAGGGTCAACGTCAAGCGGGAGTAT
 GACCACATGAATGGATCCAGGGAGTCTCCGGTGGACTGCAGCGTTAGCAAATGCAGCAAGCTGGTGGCG
 GAGGCGAGTCCAACCCATGAACTACAACAGCTATATGGACGAGAAGAATGGCCCCCTCTCCCAACAT
 GACCACCAACGAGAGGAGAGTATCGTCCCGCAGACCCACACTGTGGACACAGGAGCATGTGAGGCAA
 TGGCTGGAGTGGCCATAAAGGAGTACAGCTTGATGGAGATCGACACATCCTTTTTCCAGAACATGGATG
 GCAAGGAACTGTGAAAAATGAACAAGGAGGACTTCCTCCGCGCCACCACCCTCTACAACACGGAAGTGT
 GTTGTCACACCTCAGTTACCTCAGGAAAGTTCAGTGTGCGCTATAATACAACCTCCACACCGACCAA
 TCCTCACGATTGAGTGTCAAAGAAGACCTTCTTATGACTCAGTCAGAAGAGGAGCTTGGGCAATAACA
 TGAATTCTGGCCTCAACAAAAGTCTCCCTTGGAGGGGCACAAACGATCAGTAAGAATACAGAGCAACG
 GCCCCAGCCAGATCCGTATCAGATCCTGGGCCCCGACCAGCAGTCGCTAGCCAACCTGGAAGCGGGCAG
 ATCCAGCTGTGGCAATTCCTCCTGGAGCTGCTCTCCGACAGCGCCAACGCCAGCTGTATCACCTGGGAGG
 GGACCAACGGGGAGTTCAAAATGACGGACCCCGATGAGGTGGCCAGGCGCTGGGGCGAGCGGAAAAGCAA
 GCCCAACATGAATTACGACAAGCTGAGCCGGGCCCTCCGTTATTACTATGATAAAAAACATTATGACCAAA
 GTGCACGGCAAAAGATATGCTTACAATTTGACTTCCACGGCATTGCCAGGCTCTGCAGCCACATCCGA
 CCGAGTCCGTCATGACAAGTACCCTTCTGACATCTCCTACATGCCTTCTACCATGCCACCAGCAGAA
 GGTTGAACCTTGTCCCTCCCATCCATCCTCCATGCCTGTCACTTCTCCAGCTTCTTTGGAGCCGCATCA
 CAATACTGGACCTCCCCACGGGGGAATCTACCCAACCCAACGTCCCCCGCCATCTAACACCCACG
 TGCCTTACACTTAGGCAGCTACTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG200695 representing NM_002017
 Red=Cloning site Green=Tags(s)

MDGTIKEALSVSDDQSLFDSAYGAAAHLPKADMTASGSPDYGQPHKINPLPPQQEWINQPVRVNVKREY
 DHMNGSRESPVDCSVSKCSKL VGGGSENPMNYSYMDEKNGPPPNMNTNERRVIVPADPTLWTQEHVRQ
 WLEWAIKEYSLMEIDTSFFQNMDGKELCKMNKEDFLRATTLYNTEVLLSHLSYLRESSLLAYNTTSHTDQ
 SSRLSVKEDPSYDSVRRGAWGNMNSGLNKSPLGGAQTI SKNTEQRPQDPYQILGPTSSRLANPGSGQ
 IQLWQFLLELLSDSANASCITWEGTNGEFKMTDPDEVARRWGERKSKPNMNYDKLSRALRYYYDKNIMTK
 VHGKRYAYKFDHFGIAQALQPHPTESMYKYPDSISYMP SYHAHQKVNFPVPHPSMPVTS SFFGAAS
 QYWTSPTGGIYPNPVPRHPNTHVPSHLGSYY

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_002017

ORF Size: 1356 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_002017.5](#)

RefSeq Size: 2957 bp

RefSeq ORF: 1359 bp

Locus ID: 2313

UniProt ID: [Q01543](#)

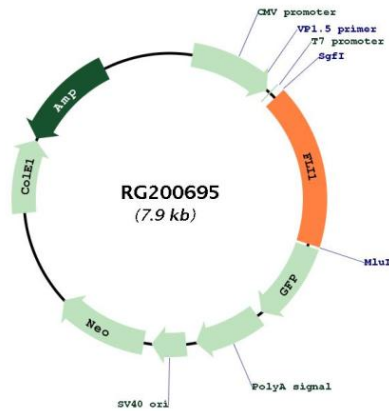
Cytogenetics: 11q24.3

Domains: ETS, SAM_PNT

Protein Families: Transcription Factors

Gene Summary: This gene encodes a transcription factor containing an ETS DNA-binding domain. The gene can undergo a t(11;22)(q24;q12) translocation with the Ewing sarcoma gene on chromosome 22, which results in a fusion gene that is present in the majority of Ewing sarcoma cases. An acute lymphoblastic leukemia-associated t(4;11)(q21;q23) translocation involving this gene has also been identified. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]

Product images:



Circular map for RG200695