

## Product datasheet for RC233945

### FLI1 (NM\_001271010) Human Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | FLI1 (NM_001271010) Human Tagged ORF Clone                                     |
| Tag:                      | Myc-DDK  |
| Symbol:                   | FLI1   |
| Synonyms:                 | BDPLT21; EWSR2; SIC-1  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| ORF Nucleotide Sequence:  | >RC233945 representing NM_001271010<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGGAGGACTGGCAGGCGAGCGGGGAGGGAGTCTCCGGTGGACTGCAGCGTTAGCAAATGCAGCA  
AGCTGGTGGGCGGAGGCGAGTCCAACCCCATGAACTACAACAGCTATATGGACGAGAAGAATGGCCCCC  
TCCTCCCAACATGACCACCAACGAGAGGAGTTCATCGTCCCGCAGACCCACACTGTGGACACAGGAG  
CATGTGAGGCAATGGCTGGAGTGGCCATAAAGGAGTACAGCTTGATGGAGATCGACACATCCTTTTTCC  
AGAACATGGATGGCAAGGAAGTGTGAAAATGAACAAGGAGGACTTCCTCCGCGCCACCACCTCTACAA  
CAGCGAAGTGCTGTTGTACACCTCAGTTACCTCAGGAAAGTTCAGTCTGGCCATAATACAACCTCC  
CACACCGACCAATCCTCAGATTGAGTGTCAAAGAAGACCCTTCTATGACTCAGTCAGAAGAGGAGCTT  
GGGGCAATAACATGAATTCTGGCCTCAACAAAAGTCTCCCTTGGAGGGGCACAAAACGATCAGTAAGAA  
TACAGAGCAACGGCCCCAGCCAGATCCGTATCAGATCCTGGGCCGACCAGCAGTCGCCTAGCCAACCTT  
GGAAGCGGGCAGATCCAGCTGTGGCAATCCTCCTGGAGCTGCTCCGACAGCGCCAACGCCAGCTGTA  
TCACCTGGGAGGGGACCAACGGGGAGTTCAAAATGACGGACCCCGATGAGGTGGCCAGGCGCTGGGGCGA  
GCGGAAAAGCAAGCCCAACATGAATTACGACAAGCTGAGCCGGGCCCTCCGTTATTACTATGATAAAAAC  
ATTATGACCAAAGTGCACGGCAAAAGATGCTTACAAATTTGACTTCCACGGCATTGCCAGGCTCTGC  
AGCCACATCCGACCGAGTCCATGTACAAGTACCCTTCTGACATCTCCTACATGCCTTCTACCATGC  
CCACCAGCAGAAGGTGAACCTTTGTCCCTCCCATCCATCCTCCATGCCTGTCACTTCTCCAGCTTCTTT  
GGAGCCGCATACAATACTGGACCTCCCCACGGGGGAATCTACCCCAACCCCAACGTCCCCGCCATC  
CTAACACCACGTGCCTTACACTTAGGCAGCTACTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC233945 representing NM\_001271010  
 Red=Cloning site Green=Tags(s)

MEGGLAGERARESPVDCSVSKCSKLVGGGESNPMNYSYMDEKNGPPPPNMTTNERRVIVPADPTLWTQE  
 HVRQWLEWAIKEYSLMEIDTSFFQNMMDGKELCKMNKEDFLRATTLYNTEVLLSHLSYLRESSLLAYNTTS  
 HTDQSSRLSVKEDPSYDSVRRGAWGNMNSGLNKSPPLGGAQTI SKNTEQRPQDPYQILGPTSSRLANP  
 GSGQIQLWQFLLELLSDSANASCITWEGTNGEFKMTDPDEVARRWGERKSKPNMNYDKLSRALRYYYDKN  
 IMTKVHGKRYAYKFDHGIAQALQPHPTESSMYKYPSDISYMPSYHAHQKVNFPVPHSSMPVTSSSFF  
 GAASQYWTSPGGIYPNPVPRHPNTHVPSHLGSYY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001271010

**ORF Size:** 1158 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\\_001271010.1](#), [NP\\_001257939.1](#)

**RefSeq Size:** 4166 bp

**RefSeq ORF:** 1161 bp

**Locus ID:** 2313

**UniProt ID:** [Q01543](#)

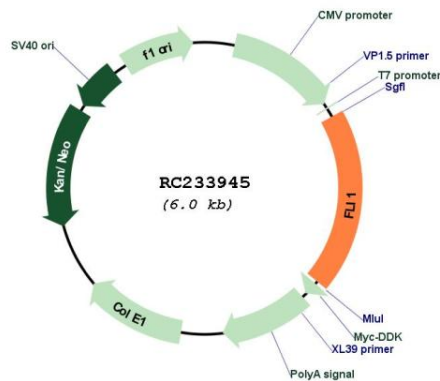
**Cytogenetics:** 11q24.3

**Protein Families:** Transcription Factors

**MW:** 44.1 kDa

**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 RC233945