

Product datasheet for **RG230048**

FLI1 (NM_001167681) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLI1 (NM_001167681) 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)
ORF Nucleotide Sequence:	>RG230048 representing NM_001167681 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTGCCTCGGGGAGTCTGACTACGGGCAGCCCCACAAGATCAACCCCTCCACCACAGCAGGAGT
GGATCAATCAGCCAGTGAGGGTCAACGTCAAGCGGGAGTATGACCACATGAATGGATCCAGGGAGTCTCC
GGTGGACTGCAGCGTTAGCAAAATGCAGCAAGCTGGTGGGCGGAGGCGAGTCCAACCCATGAACTACAAC
AGCTATATGGACGAGAAGAATGGCCCCCTCTCCAACATGACCACCAACGAGAGGAGAGTTCATCGTCC
CCGCAGACCCCACTGTGGACACAGGAGCATGTGAGGCAATGGCTGGAGTGGGCCATAAAGGAGTACAG
CTTGATGGAGATCGACACATCCTTTTCCAGAACATGGATGGCAAGGAACTGTGTAAAATGAACAAGGAG
GACTTCTCCGCGCCACCACCCTCTACAACACGGAAGTGCTGTTGTACACCTCAGTTACCTCAGGGAAA
GTTCACTGCTGGCCTATAATACAACCTCCACACCCGACCAATCCTCACGATTGAGTGTCAAAGAAGACCC
TTCTTATGACTCAGTCAGAAGAGGAGCTTGGGGCAATAACATGAATTCTGGCCTCAACAAAAGTCTCCC
CTTGGAGGGGCACAAACGATCAGTAAGAATACAGAGCAACGGCCCCAGCCAGATCCGTATCAGATCCTGG
GCCCGACCAGCAGTCGCCTAGCCAACCTGGAAGCGGGCAGATCCAGCTGTGGCAATTCCTCCTGGAGCT
GCTCTCCGACAGCGCCAACGCCAGCTGTATCACCTGGGAGGGGACCAACGGGGAGTCAAATGACGGAC
CCCCGATGAGGTGGCCAGGCGCTGGGGCAGCGGAAAAGCAAGCCCAACATGAATTACGACAAGCTGAGCC
GGGCCCTCCGTTATTACTATGATAAAAACATTATGACCAAAGTGACGGCAAAAGATATGCTTACAAATT
TGACTTCCACGGCATTGCCAGGCTCTGCAGCCACATCCGACCGAGTCGTCCATGTACAAGTACCCTTCT
GACATCTCCTACATGCCTTCTACCATGCCACCAGCAGAAGGTGAACTTTGTCCCTCCCATCCATCCT
CCATGCCTGTCACTTCTCCAGCTTCTTTGGAGCCGCATACAATACTGGACCTCCCCACGGGGGAAT
CTACCCCAACCCCAACGTCCCCGCCATCTAACACCCACGTGCCTTCACACTTAGGCAGCTACTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG230048 representing NM_001167681
Red=Cloning site Green=Tags(s)

MTASGSPDYGQPHKINPLPPQEWINQPVRVNVKREYDHMNGSRESPVDCSVSKCSKLVGGGESNPMNPN
 SYMDEKNGPPPNMTTNERRVIIPADPTLWTQEHVRQWLEWAIKEYSLMEIDTSFFQNMDGKELCKMNKE
 DFLRATTLYNTEVLLSHLSYLRESSLLAYNTTSHTDQSSRLSVKEDPSYDSVRRGAWGNMNSGLNKNSPP
 LGGAQTI SKNTEQRPQDPYQILGPTSSRLANPGSGQIQWLQFLELLSDSANASCITWEGTNGEFKMTD
 PDEVARRWGERKSKPNMNYDKLSRALRYYYDKNIMTKVHGKRYAYKDFDHGIAQALQPHPTESSMYKYPS
 DISYMPSYHAHQKVNFPVPHPSMPVTSSSFFGAASQYWTSP TGGIYPNPVPRHPNTHVPSHLGSYY

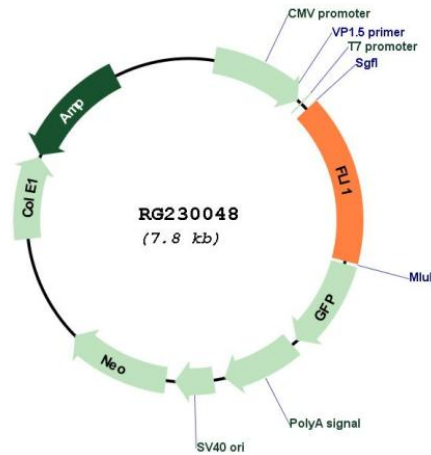
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001167681

ORF Size:	1257 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<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:	NM_001167681.2 , NP_001161153.1
RefSeq Size:	4049 bp
RefSeq ORF:	1260 bp
Locus ID:	2313
UniProt ID:	Q01543
Cytogenetics:	11q24.3
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p>