

Product datasheet for **SC128203**

Flightless I (FLII) (NM_002018) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Flightless I (FLII) (NM_002018) Human Untagged Clone
Tag:	Tag Free
Symbol:	Flightless I
Synonyms:	FLI; Fli1; FLIL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002018, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGCCACCGGGTCTGCCGTTTCGTGCGTGGCGTGGACCTCAGCGGCAACGACTTCAAGGGCGGCT
ACTTCCCTGAGAAATGTCAAGGCCATGACCAGCCTGCGGTGGCTGAAGCTGAACCGCACTGGCCTCTGCTA
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CAGCGGCTCCCTCAACTGGGAGATCTACTACTGGATTGGCGGGGAGGCCACACTCGACAAGAAAGCTTGC
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002018 unedited
GCCGCCTCCCGGANAANNNGNNTTTNCCNNNNNGTCTTACACCCGCCCGTTGNCGC
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TATAGAATACAAGCTACTTGTCTTTTTGCAGCGCCCGGAATTCGGCACGAGGGCGCCA
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AGGGCGGCTACTTCCCTGAGAATGTCAAGGCCATGACCAGCCTGCGGTGGCTGAAGCTGA
ACCGCACTGGCCTCTGCTACCTGCCGAGGAGCTGGCCGCCCTGCAGAAGCTGGAACACT
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TGCGCGCCATCGTGGCCGAGCCAACAGTCTGAAGAAATCCGGAGTCCCCGATGACATCT
TCAAGCTAGATGATCTCTCAGTCTGGACTTGAGCCACAACAGCTGACAGAGTGCCCGC
GGGAGCTGGAGAACGCCAAGAACATGCTGGTGTGAACCTCAGCCACAACAGCATCGACA
CCATCCCCAACAGCTTTCATCAACCTACTGACCTACTATACTGGACCTCAGCGAGA
ACCGCCTGGAGAGCCTGCCCCGAGATGCGCCGCTGGTGCACCTGCAGACGCTCGTGC
TCAATGGAACCCCTGCTGCATGCACAGCTNCGCAGCTCCCAGCGATGACGGCCCTGC
AGACCCTGCACCTGCGGAGCACCCAGCGCACCCAGAGCAACCTGCCACACGCTGGGAG
GTCTGAGCAAACCTCGCAGACGTGGATCTGCTGCTGATGACCTGACACGGTGCCCCGATG
NTGTACACCTTCCAGCCTGCGCCGCTAAAC

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002018 unedited CCATGGGGAGAAACATTCCAATTCCTTAAGGGCATCCACATCTGCTTTATCCCTAGCGGC AAGATGAGGGGGCTTCACACGTGCACTCACACTGTGGAGAGAGTTGGATTCCCAGACCC CTGAGGGCACCTGTCAGGGTCATCCCCATTGGTGTGCTTGAGGCTACTGGGACTGTGG CACTGGACGTGGCTGGAGCAGGTGGTGTACCTGAGTACATTCTTTGCTAGCAGACAGTG GATGAGGCCCTTCTCTTCTCCTACCAAGCCTGGGGCTGTGCCAGCCTGTCTTAGGCCAG GGCCTTGACAGAAGGCGCTCCAGGCGTGAAGCAGCGGGTAAAGGCGTGTCTCATTGCC CTTGCGGACCAGGCGCAGCCGGCGCGCCGCTCATGTTCCCTGGACCGCATGTGCTGGAT ATATACCTGGCAGGCCTTCAGGCTCAGCTTGTATCTCCACCTGGCTAGTCTGGGTCCCCAC CCACATGTAGACCTCTTGCCATTGTCTAGCAACATGATGTCATCATCTGCCAGGTCATC TTGGCAAAGTCGGAGCATTCTCAGTCACTGCAAAGTAGCCCTTCTCGTTGGAGCACCG GAAGAGACGTGTGTGTTTCATGTACTCGGCATCGTCATCATAGGGCTTCTGTGCCCAAT GCCCACCAGAAGAAGTCTCAGGCTCCTCACCTTTCTTGATAACCTGCTGTGCTGTAGGA GGGGTCAAACATGGTGTTCAGGATGTCTTCTGCCAACTTGGCTTCTCAGGGTCTGATGC CCGGCCACCCAGGCTTACACGATGCCCTGGTTGTCCCACTCCTCAAGGAAACTTGA GATGAAAGCAGAACTCGG
Restriction Sites:	NotI-NotI
ACCN:	NM_002018
Insert Size:	4100 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>
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:	<u>NM_002018.2</u> , <u>NP_002009.1</u>
RefSeq Size:	4176 bp

RefSeq ORF:	3810 bp
Locus ID:	2314
UniProt ID:	Q13045
Cytogenetics:	17p11.2
Domains:	LRR, LRR_TYP, GEL, Gelsolin, LRR_PS
Protein Families:	ES Cell Differentiation/IPS, Transcription Factors
Gene Summary:	<p>This gene encodes a protein with a gelsolin-like actin binding domain and an N-terminal leucine-rich repeat-protein protein interaction domain. The protein is similar to a Drosophila protein involved in early embryogenesis and the structural organization of indirect flight muscle. The gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>