

Product datasheet for **SC102626**

FLCN (AK095390) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLCN (AK095390) Human Untagged Clone
Tag:	Tag Free
Symbol:	FLCN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK095390, the custom clone sequence may differ by one or more nucleotides

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TACAAATGCCTCTCGTCAGTGGCAAGCCAGTAACCACCACTCAGAAGAGAATGCAAAACAGGCCGGGCAC
AGTGGCTCACACCTGTAATCCCAACACTTTGAGAGGCTGAAGTGGGTGGATCACTTGAGGTCAGGAGTTT
GAGACCAGTCTGGCCAACACGGTAAACCCCGACTCTACTAAAAATACAAAAATTAGCCAGGCATGGTG
GTGCACACCTGTAGTCCCAGTTACTCAGGAGGCTGAGGCAGGAGAATTGCTTGAACCTCAGGAGGTGAGG
CTGCAGTGAGCTGAGTTTGCACCATTGACTCCACCCTGGGTAACAGAGTAAGACTCTGTTTCAAAAAA
GAGAGAATGCAAAACACCTACCCTATGGAAGTGAATCAGCATTGTCATCTTTATATCCTGAGAATAAATG
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CTCCTGGGTGTTTACAACCACTAGCTACTGAAGGATGAAACACCTCTTCTTACCACAATATCTTATT
AAAGGAAGAAAGAGAATTATCCCTTTAAAGTCTTATAAACCTTCAGAGATAATGGATTTCCAGGCTCAAG
ATAACCTGTAGAACCACATGGAGGGTCTGTGTTTCCAGCTCTTAATTTTTCAGACACTTTGATCCCTC
CTCAGTTCTCATAAGTACATGATGACCAGGGGAGTTGGTTATTACAATAGCTACCATGCACAAGGGGCAT
GAAGACATGGAGAGATGACAATACTTGTCTAGGGCCATCTAGATTGGTGGAAATGTGAGAACCTAGAGTTG
TTGCTCCCTTGACCTAAGAATGACTCAGTATATTGATAGGCATGTACACCACCCTCAAATCTTTAAACCA
TTACCTGCAGGCTCCTTGAATGTATTGAGGCTCTCCTCTGTACTATTTCTGCTTGTCACTATTTTTCG
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AGTGAGCCAAGATTGTGTCACTCCAACCTGGCAACAGAGGAGACCTTGTCTC
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5' Read Nucleotide Sequence:

>OriGene 5' read for AK095390 unedited
 ATTTGTAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCTATGGAAGTGAA
 TCAGCATTGTCATCTTTATCCTGAGAATAAATGATTCCATCCATCATCCATCCATCCA
 TTCATCTACCCCTAATGCATGTATTCATTTCAACTTAATTTTACCTCCTGGGTGTTAC
 AACCAACTAGCTACTGAAGGATGAAACACCTCTTCTTACCCACAATATCTTATTAAGG
 AAGAAAGAGAATTATCCCTTTAAAGTCTTATAAACCTTCAGAGATAATGGATTCCAGGC
 TCAAGATAACCTGTAGAACCACATGGAGGTCTGTGTTTCCCAGCTCTTAAATTTTCAG
 ACACCTTTGATCCCTCCTCAGTTCTCATAAGTACATGATGACCAGGGGAGTTGGTTATTAC
 GATAGCTACCATGCACAAGGGGCATGAAGACATGGAGAGATGACAATACTTGTCTAGGGC
 CATCTAGATTGGTGAATGTGAGAACCTAGAGTTGTTGCTCCCTTGACCTAAGAATGACT
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 TTGAATGTATTGAGGCCTCCTCTCTGTACTATTTCTGCTTGCATCATTTTCGTGGTA
 AGTAATGCCCTTGCACATTACATTTACATGCAAGAAAGAAGTGTCTCAATGGGAGGG
 TTTAGGAATGAAGGCCANGCCACAGCAGAAGTCAACCTCAATCCACCAATATCATCTGAC
 ACCTCCCTTCCACTATCCTTTCTCANGATGGCCTCAGTTGGNGCCCGGGGTGAGATTTN
 GATCCNGNAGTTGNCTTATCTCATGCCTTAACTATGCTATCGNGCTCTAT

3' Read Nucleotide Sequence:

>OriGene 3' read for AK095390 unedited
 GGTACTACTATGNNACCGCGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTTTTGAG
 ACAGGTCTCCTCTGTTGCCAGGTGGAGTGACACAATCTTGGCTCACTGCAGCTTTGACA
 TCCCAGGCTCAAACGATCTTCCACCTCAGCCTCCGAAGTAGCAGAAACCACAGGTGCATG
 CCTTCATGCCAACTAATTTTTATTTTTTTGTAGAGACAGGAGCTTACTACGTTGCCCA
 GGCTGGTCTCAAACCTCCTGGCCTCAAGCAATCTGCCGTCTTGGCCTCCCAAAGTCTGG
 GATTACAGGTGTTATTACAGGTGGGATTACGTCCAGCCTACATTCTATTTTTATGCCAA
 CTTTTCCATCGCCTGTTGGCTTCCCTTGAGGTTAGGTAGCTGGACAGAGCTGGGAGCAAAG
 AAGCTGTGGTAATAGGATTAAGGAAGAGCGGGGATGGTAGACTTTATCCAATCTTCCA
 GCCCACACCAAGAAAAGCTTTTAGACAGGTGACGGTGTGAGAAGCCAGGGCAGCAGGAG
 AGGCGATTTGGGAAACCTGAGGCTATCTGGTTTTGTGGCTCCCTCCGAGCCCTTTTGT
 CAGGGCTGGCCCTCACCTTTGGGAGGAGGAATAGTAGCACCTTAACCAGCTGCTCAGAAA
 GACTGCAGGTGGGACAATAGTAGAGAAGGAGGCAGGCAGAGAATGGGCTCTGGACTGTG
 GATGGGAGGCTCANAACACTGTCTGAAATGAAGACCTGAGAACCAGGAAAGCTACCCTGG
 GCCCACCCAGCCCCCAAGTGGCAAACCTGCTGCCTGGGGCTCTGCCAGTATTGGCTCT
 GCAGCCCTCTGACACTCACCTCTTCCCTCTTCCACTCTCCTGAAATGAAGACTCTCTGC
 TGCTAGCCTGTCACTCCTAATATAT

Restriction Sites:

NotI-NotI

ACCN:

AK095390

Insert Size:

3132 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [AK095390.1](#)

RefSeq Size: 3132 bp

RefSeq ORF: 3132 bp

Locus ID: 201163

Cytogenetics: 17p11.2

Protein Families: Druggable Genome

Protein Pathways: Renal cell carcinoma

Gene Summary: This gene is located within the Smith-Magenis syndrome region on chromosome 17. Mutations in this gene are associated with Birt-Hogg-Dube syndrome, which is characterized by fibrofolliculomas, renal tumors, lung cysts, and pneumothorax. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]