

Product datasheet for **SC123173**

FLCN (NM_144606) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLCN (NM_144606) Human Untagged Clone
Tag:	Tag Free
Symbol:	FLCN
Synonyms:	BHD; DENND8B; FLCL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_144606 edited
 GGTCGCTCCTGGTTCTGCCAGCTCCCCTGAGAGCCTGAACCCGGGCTTGAGAGCCTCGCC
 ACCCCGGGTGACATCCCTGCCGTGGGCTTGGGGCTCTGGGTGTGATTCCGCCGGTCCGG
 GTCCCGCAGCGACCACCTACCCAGCGCAGTCAGGGGTGGGGCTGGGACCCAGAGCGGGAC
 CCCGGTCCCGAGTCCAGGTGTCCCGCGGGCTCGATTTGGGAGCAGAAAACGCCAGGT
 CTTCAAGGGTGTCTGCCACCACCATGCTGACCATTGGCAGCAGCCTCGTGTGTGGTG
 GTCTGGTGTGGACGGTGGAAAGCGTGATTCTGCTGAGTGTGAGTGTGACCACTCGTGCTCA
 GCCGTATCTCAGCAGGAGGACAGGTGCCCGAGCAGCTCGTGCAGCTAAGCAGCCAAGTGC
 AGAAACGTCAGGCCTGTTGCACTCTCCAAGGCACCATGAATGCCATCGTGGCTCTCTGCC
 ACTTCTGCGAGCTCCACGGCCCCGCACTCTTCTGCACGGAGGTGCTGCACGCCCCAC
 TTCCTCAAGGGGATGGGAATGAGGACAGTCTGGCCAGGGTGGAGCAGCGGAAGAAGAGG
 AAGGTGGCATTGAGTGAACAGTCGGATGCGTGCACAGCCCCGAGAGGGGGCCAGCG
 TCGAGTCCAGCAGCCCGGGGCCAAAAAGTCGGACATGTGCGAGGGTCCGGTCACTTG
 CTGCAGGGCACCAGGATATATCAGCCATGATAAAGAGACCTCCATTAATACGTCAGCC
 ACCAGCACCAGCCACCAGCTCTTACGATTGTCCGCCAGGCCTGTGTCCGGAGCC
 TGAGCTGTGAGGTCTGCCCTGGCCGTGAAGGCCCATCTTCTTCGGAGATGAGCAGCAGC
 GCTTTGTGTTAGCCACACCTTCTTCAAGGACAGCCTGGCCAGGGGCTTCCAGCGCT
 GGTACAGCATCATCAACATCATGATGGACCGGATCTACCTCATCAACTCTGGCCCTTCC
 TGCTGGGGAAGGTCCGGGAATCATCGATGAGCTCCAGGGCAAGGCGCTCAAGGTGTTTG
 AGGCAGAGCAGTTTGGATGCCCACAGCGTGTCTAGAGGATGAACACAGCCTTACGCCAT
 TCCTACACCAGAGGAACGGCAACGCCCGCCGCTCGCTGACATCGTGACAAGTGTGACA
 ACCTGTGGCGTGCCTGCACACCTCCTTGCCTGGCTCCTGAAGCGGTGTGGCAGCCGGC
 TGACCGAGAAGCTCCTGGAAGGTGCTCCGACCGAGGATACCTTGGTCCAGATGGAGAAGC
 TGCTGGTGGAGGAGGGGTGCTGTTGCCGGGGCTTGGCCCGATGGCCGTGGGGCGGTA
 CCAGCTGTCTGCTCCTGGCAGGAATCGCTGAGGGAGGAAACGCGGCTCTGAATCAGC
 CCAGAACGAGCCTTCGGGAAGCTCACCTCCGATCTCGGTGTGATTGTTGTGATTGTTGT
 GATTTCTGTCTCGTTTGCCTTGACCGCATGTGAAAGAATCTGTTCCCCAGCTAGGTGG
 GGAAAATTACAGGTGGGCTGTCTGTAGAGAGAACTGGCTGATTAAGGCTTCTCGTCCC
 GATTTTGTGATAGCCAAGTCTTGGCCTGGTCGACGGTCTTGTCTCTTACAAATAAAG
 TGTTCTGTTTCAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_144606 unedited
 NGCCTTCGCATTTGTATACGACTTATATAGGCGGCCGATTTCGCACGAGGGTTCGCTCCTG
 GTTCTGCCAGCTCCCCTGANAGCCTGAACCCGGGCTTGAGAGCCTCGCCACCCGGGTGA
 CATCCCTGCCGTGGGCTTGGGGCTCTGGGTGTGATTCCGCCGGTCCGGTCCCGCAGCG
 ACCACCTACCCAGCGCAGTCAGGGTGGGGCTGGGACCCAGAGCGGGACCCCGGCTGCC
 AGTCCAGGTGTCCCGGGGCTCGATTTGGGAGCAGAAAACGCCAGGTCTTCAAGGGT
 TCTGCCACCACCATGCCTGACCCATTTGGCAGCAGCCTCGTGTGTGGTGGTCTGGTGTGG
 ACGGTGGAAGCGTGATTCTGCTGAGTGTGAGTGTGACCACTCGTGCTCAGCCGTATCTCA
 GCAGGAGGACAGGTGCCGGAGCAGCTCGTGCAGCTAAGCAGCCAAGTGCAGAAACGTCAG
 GCCTGTTGCACTCTCAAGGCACCATGAATGCCATCGTGGCTCTCTGCCACTTCTGCGAG
 CTCCACGGCCCCGCACTCTTCTGCACGGAGGTGCTGCACGCCCACTTCTCAAGGG
 GATGGGAATGAGGACAGTCTGGCCAGGGTGGAGCAGCGGAAGAAGGAAGGTGGCATT
 CAGATGAACAGTCGGATGCGTGCACAGCCCCGAGAGGGGGCCAGCGTCGAGTCCAGC
 AGCCCGGGGCCATAAGTCNGACATGTGCGATGGCTGCCGGTCACTTGTGCAGGGCACC
 CGGGATATATCAGCCATGATAAAGAGACCTCCATTAATACGTCAGCCACCAGCACCCCA
 GCCACCCAGCTCTTACGATTGTCCGCCAGGCCTGTGTCCAGAGCCTGG

Restriction Sites: Please inquire

ACCN: NM_144606

Insert Size: 1720 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:	<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_144606.4 , NP_653207.1
RefSeq Size:	1754 bp
RefSeq ORF:	1029 bp
Locus ID:	201163
UniProt ID:	Q8NFG4
Cytogenetics:	17p11.2
Protein Families:	Druggable Genome
Protein Pathways:	Renal cell carcinoma
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, as compared to variant 1. Isoform 2 has a shorter and distinct C-terminus, as compared to isoform 1.</p>