

Product datasheet for **SC127885**

FLCN (NM_144997) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLCN (NM_144997) Human Untagged Clone
Tag:	Tag Free
Symbol:	FLCN
Synonyms:	BHD; DENND8B; FLCL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC127885 sequence for NM_144997 edited (data generated by NextGen Sequencing)

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ATGAATGCCATCGTGGCTCTCTGCCACTTCTGCGAGCTCCACGGCCCCGCACTCTTTC
TGCACGGAGGTGCTGCACGCCCCACTTCTCAAGGGGATGGGAATGAGGACAGTCCTGGC
CAGGGTGAGCAGGCGGAAGAAGAGGAAGGTGGCATTAGATGAACAGTCGGATGCGTGCG
CACAGCCCCGAGAGGGGCCAGCGTCGAGTCCAGCAGCCCGGGGCCAAAAAGTCGGAC
ATGTGCGAGGGCTGCCGGTCACCTTGCTGCAGGGCACCCGGGATATATCAGCCATGATAAA
GAGACCTCCATTAATAAGTACGTACGCCACCCAGCACCCAGCCACCCAGCTCTTCAGCATT
GTCCGCCAGGCCTGTGTCCGGAGCTGAGCTGTGAGGTCTGCCCTGGCCGTGAAGCCCC
ATCTTCTTCGGAGATGAGCAGCACGGCTTTGTGTTTACGCCACACCTTCTTCATCAAGGAC
AGCCTGGCCAGGGGCTTCCAGCGCTGGTACAGCATCATCACCATCATGATGGACCGGATC
TACCTCATCAACTCCTGGCCCTTCTGCTGGGGAAGTCCGGGGAATCATCGATGAGCTC
CAGGGCAAGGCGCTCAAGGTGTTTGAGGCAGAGCAGTTTGGATGCCACAGCGTGCTCAG
AGGATGAACACAGCCTTACGCCATTCTACACCAGAGGAACGGCAACGCCGCCCGCTCG
CTGACATCGTGACAAGTATGACAACCTGTGGGCGTGCCTGCACACCTCTTTGCTGG
CTCCTGAAGGCGTGTGGCAGCCGCTGACCGAGAAGCTCCTGGAAGGTGCTCCGACCGAG
GATACCTTGGTCCAGATGGAGAAGCTCGCTGATTTAGAAGAGGAATCAGAAAGCTGGGAC
AACTCTGAGGCTGAAGAGGAGGAGAAAGCCCTGTGTTGCCAGAGAGTACAGAAGGGCGG
GAGCTGACCCAGGGCCCGGCAGAGTCTCTCTCTCAGGCTGTGGGAGCTGGCAGCCC
CGGAAGCTGCCAGTCTTCAAGTCCCTCCGGCACATGAGGCAGGTCCTGGGTGCCCTTCT
TTCCGCATGCTGGCCTGGCAGTCTCATGGGGAACCAGGTGATCTGGAAAAGCAGAGAC
GTGGACCTCGTCCAGTCAGCTTTTGAAGTACTTCGGACCATGCTTCCCGTGGGCTGCCTC
GCATCATCCCATACAGCAGCCAGTACGAGGAGGCCTATCGGTGCAACTTCTGGGGCTC
AGCCCGCACGTGCAGATCCCCCCCCACGTGCTCTCCTCAGAGTTTGTGTCATCGTGAG
GTCCACGCAGCCGCACGTTCACCCTCCACCCTGTGGGTGTGAGGATGACCAGTCTCTC
AGCAAGTACGAGTTTGTGGTGACCAGTGGGAGCCCTGTAGCTGCAGACCGAGTGGGCCCC
ACCATCTGAATAAGATTGAAGCGGCTCTGACCAACCAGAACCTGTCTGTGGATGTGGTG
GACCAGTGCCTCGTCTGCCTCAAGGAGGAGTGGATGAACAAAGTGAAGGTGCTTTTTAAG
TTCACCAAGGTGGACAGTCGACCCAAAGAGGACACACAGAAGTCTGAGCATCTGGGT
GCGTCCGAGGAGACAATGTCAAGCTGCTGAAGTTCTGGATGACTGGCCTGAGCAAGACC
TACAAGTACACCTCATGTCCACGGTCCGCAGCCCCACAGCCTCGGAGTCTCGGAACTGA

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Clone variation with respect to NM_144997.5

5' Read Nucleotide Sequence: >OriGene 5' read for NM_144997 unedited

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GCATTTTGTAAATACGACTCACTATAGGGCGGCCGCAATTCGGCAGGAGGGTGCCTCCT
GGTTCTGCCAGTCCCCTGAGAGCCTGAACCCGGGCTTGAGAGCCTCGCCACCCCGGTG
ACATCCCTGCCGTGGGCTTGGGGCTCTGGGTGTGATTCCGCCGTCCGGTCCCGCAGC
GACCACCTACCCAGCGCAGTCAGGGTGGGGCTGGGACCCAGAGCGGGACCCCGGCTGCC
GAGTCCAGGTGTCCCGGGGCTCGATTTGGGAGCAGAAAACGCCAGGTCTTACAGAGG
TGTCTGCCACCACCATGCCTGACCCATTTGGCAGCAGCCTCGTGTGTGGTGGTCTGGTGT
GGACGGTGAAGCGTGATTCTGCTGANTGTCAATGAGACCACTTCTGGCTTAACCCGGTA
TTCTCAACCGGGAGGGAACAAGTTGCCCGGAACCAACCTCCGTGGCAAGCTTAAAGCAA
CCCCAAAATTTGTTGCGGAAAACGTTAGGGGCTTGTGTTGCAATCTTCCCAAGGCCAC
CCATGGGAATGCCATTCCGTGGGCTTTTTTTTGGCCAATTTTTCTGGGAAAAGCTTTCC
AAGGGGCCCCCGGAAATTTTTTTTTTCTTTGACCGGGAAGTTGCTCTGAAAAGGC
CCCCAAAATTTCTTAAAGAGGGGATTGGGGAATTTAAAGGCCAAATCCCCTGGGGC
CAAGGGGGTTAAACCAAGGCCCGGAAAAAAGGAAAGAGGTGGGGCATTTCCA

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3' Read Nucleotide Sequence: >OriGene 3' read for NM_144997 unedited

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GAGAGGCACTGGGAGGGGTACAGGGATGCCACCCGGGATCTGTTACAGGAAACAGCTAT
GACCGCGCCGCAATCTAGAGTCGAG

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Restriction Sites:	Please inquire
ACCN:	NM_144997
Insert Size:	3700 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_144997.4 , NP_659434.2
RefSeq Size:	3717 bp
RefSeq ORF:	1740 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 (1) encodes isoform 1.</p>