

Product datasheet for **MR209086**

Flcn (NM_146018) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Flcn (NM_146018) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Flcn
Synonyms:	AU014660; B430214A04Rik; Bhd; FLCL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209086 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACGCCATAGTCGCCCTCTGCCACTTCTGCGAGCTCCATGGCCCCGCAGCTCTTCTGCACGGAAG
 TTCTACACGCTCCCTGCCAGGGGGCCGGAAGTGGGGACAGTCTGACCAGGTTGAGCAGGCTGAGGA
 GGAGGAGGTGGCATTAGATGAGCAGCCGGTCCGTGCCACAGCCAGCCGAGGGTGCCAGCAGTGAG
 TCCAGCAGCCCGGGCCCAAGAAGTCGGACATGTGTGAGGGCTGCCGGTCACTTGCCGTAGGGCACCCAG
 GCTATATCAGTCATGATAAAGAGACCTCTATTAAGTACGTCAGTCACCAGCACCCCAACCACCCGACGT
 CTTAGCATCGTCCGACGGCTGTGTCCGAGCCTGAGCTGTGAGGTATGCCCTGGTGTGAGGCCCC
 ATCTTCTTTGGTATGAGCAGCACGGCTTTGTGTTAGCCACACCTTCTCATCAAAGACAGCCTGGCCA
 GAGGCTTCCAGCGCTGGTACAGCATCATGCCATCATGATGGATCGGATCTACCTCATCAACTCCTGGCC
 CTTCTGTGTTGGGAGGATCCGCGCATCATCAGTGTGAGCTCCAGGCCAAGGCTTCAAGGTGTTTGGGCA
 GAGCAGTTTGGATGTCCACAGCGTGCCAGAGGATGAACACTGCCTTACGCCCTTCTGCACAGAGGA
 ACGGCAACGCTGCCCGCTCTCTGACCTCCTTGACCAGTGTGACAACTTGTGGGCGTGTCTGCACACTTC
 CTTTGCCTGGCTCCTGAAGGCATGCGGTAGCAGGCTGACAGAAAAGCTCTTAGAGGGCGCTCCCACAGAG
 GACACCTGGTCCAGATGGAGAAGCTTGTGACTTGGAGGAAGAATCAGAAAAGTTGGGACAACTTCTGAGG
 CTGAGGAGGAGGAGAAAGCTCCTGTTACACCAGAGGGTGTGAGGGGCGAGAGCTGACCAGTTGCCAAC
 AGAGTCATCCTTCTCTCAGCCTGTGGGAGCTGGCAGCCCCAAAGCTTACCGGCTTCAAGTCTCTTGA
 CACATGAGACAGGCTTTGGTGTCCATCCTCCGTATGTTGGCTTGGCATGTCCATGGGGAATCAGG
 TGATCTGGAAAAGCAGAGATGTGAACCTGGTCCATTCAGCGTTTGAAGTCTCCGACCACTGCTGCCTGT
 GGGCTGTGTCCGCATCATCCCTTACAGCAGCCAGTATGAGGAGGCTATCGCTGCAACTTCTGGGGCTC
 AGCCCTCCCGTGCTATCCCTGCCATGTTCTGGCCTCAGAGTTCGTAGTTGCTGTGGAGGTCCACACGG
 CCACTCGCTCAAACCTCCACCCTGCTGGGTGCGAGGATGACCAGTCCCTCAGCAAGTATGAGTTTGGT
 GACCAGTGGTAGCCCTGTGGCTGCAGACAGAGTTGGGCCACTATCCTGAATAAGATTGAAGCAGCTCTG
 ACCAACCAAGACCTGTCTGTGGATGTGGTGGACCAATGTCTCATCTGCCTCAAGGAGGAATGGATGAACA
 AAGTGAAGTCTGTTTAAATTCACCAAGGTAGACAGTCGCCCAAGGAGGACACACAGAAGCTCCTAAG
 CGTCTAGGCGCATCAGAGGAGGACAACGTCAAAGTCTGAAAGTCTGGATGACGGGACTGAGCAAAACC
 TACAAGTCCATCTCATGTCCACCGTCCGAAGCCACAGCTACAGAGTACGGAGC

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209086 protein sequence
 Red=Cloning site Green=Tags(s)

MNAIVALCHFCELHGPRTLFCTEVLHAPLPQGAGSGDSPDQVEQAEEEEGGIQMSSRVRAHSPAEGASSE
 SSSPGPKKSDMCEGCRSLAVGHPGYISHDKETSIKYVSHQHPNHPQLFSIVRQACVRSLSCEVCPGREGP
 IFFGDEQHGFFVFSHTFFIKDSLARGFQRWYSIIAIMMDRIYLINSWPFLGRIRGIISELQAKAFKVF
 EQFGCPQRAQMNTAFTPFLHQRNGNAARSLTSLTSDNLWACLHTSFALLKACGSRLTEKLEGAPE
 DTLVQMEKLADLEEESESWDNSEAEKEKAPVTPGAEGRELTSCTESSFLSACGSWQPPKLTGFKSLR
 HMRQVLGAPSFRLAWHVLGNQVIWKSVDVNLVHSAFEVLRMLPVGCVRIIPYSSQYEEAYRCNFLGL
 SPPVPIPAHVLAASEFVVVEVHTATRSNLHPAGCEDDQSLSKYEFVVTSGSPVAADRVGPTILNKIEAAL
 TNQNLSDVVDQCLICLKEEWMNKVKVLFKFTKVDSRPKEDTQKLLSVLGASEEDNVKLLKFWMTGLSKT
 YKSHLMSTVRSPTATESRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_146018

ORF Size: 1740 bp

OTI Disclaimer: 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.

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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

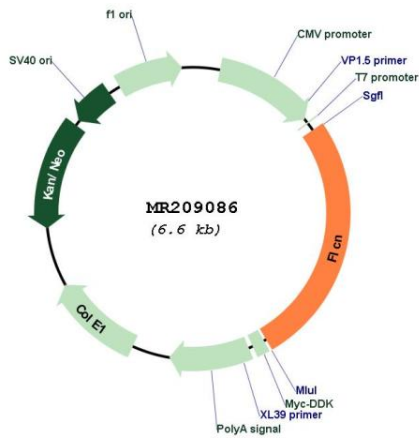
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
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_146018.2](#)
 RefSeq Size: 3460 bp
 RefSeq ORF: 1740 bp
 Locus ID: 216805
 UniProt ID: [Q8QZS3](#)
 Cytogenetics: 11 B1.3
 MW: 64.3 kDa

Gene Summary: May be a tumor suppressor. May be involved in energy and/or nutrient sensing through the AMPK and mTOR signaling pathways. May regulate phosphorylation of RPS6KB1. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209086