

Product datasheet for **MG209086**

Flcn (NM_146018) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Flcn (NM_146018) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Flcn
Synonyms:	AU014660; B430214A04Rik; Bhd; FLCL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209086 representing NM_146018
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACGCCATAGTCGCCCTCTGCCACTTCTGCGAGCTCCATGGCCCCGCAGCTCTTCTGCACGGAAG
 TTCTACACGCTCCCTGCCCCAGGGGGCCGGAAGTGGGGACAGTCTGACCAGGTTGAGCAGGCTGAGGA
 GGAGGAGGTGGCATTAGATGAGCAGCCGGTCCGTGCCACAGCCAGCCGAGGGTGCCAGCAGTGAG
 TCCAGCAGCCCGGGGCCAAGAAGTCGGACATGTGTGAGGGCTGCCGGTCACTTGCCGTAGGGCACCCAG
 GCTATATCAGTCATGATAAAGAGACCTCTATTAAGTACGTCAGTCACCAGCACCCCAACCACCCGAGCT
 CTTAGCATCGTCCGCCAGGCTGTGTCCGAGCCTGAGCTGTGAGGTATGCCCTGGTGTGAAAGCCCC
 ATCTTCTTTGGTATGAGCAGCACGGCTTTGTGTTAGCCACACCTTCTCATCAAAGACAGCCTGGCCA
 GAGGCTTCCAGCGCTGGTACAGCATCATGCCATCATGATGGATCGGATCTACCTCATCAACTCCTGGCC
 CTTCTGTGGGAGGATCCGCGCATCATCAGTGTGAGCTCCAGGCCAAGGCTTCAAGGTGTTTGGGCA
 GAGCAGTTTGGATGTCCACAGCTGCCAGAGGATGAACACTGCCTTACGCCCTTCTGCACAGAGGA
 ACGGCAACGCTGCCCGCTCTCTGACCTCCTTGACCAGTGTGACAACTTGTGGGCGTGTCTGCACACTTC
 CTTTGCCTGGCTCCTGAAGGCATGCGGTAGCAGGCTGACAGAAAAGCTCTTAGAGGGCGCTCCCACAGAG
 GACACCTGGTCCAGATGGAGAAGCTTGTGACTTGGAGGAAGAATCAGAAAAGTTGGGACAATTCTGAGG
 CTGAGGAGGAGGAGAAAGCTCCTGTTACACCAGAGGGTGTGAAGGGCGAGAGCTGACCAGTTGCCAAC
 AGAGTCATCCTTCTCTCAGCCTGTGGGAGCTGGCAGCCCCAAAGCTTACCGGCTTCAAGTCTCTTGA
 CACATGAGACAGGCTTTGGTGTCCATCCTCCGTATGTTGGCTTGGCATGTCCTCATGGGAAATCAGG
 TGATCTGGAAAAGCAGAGATGTGAACCTGGTCCATTCAGCGTTTGAAGTCTCCGGACCATGCTGCCTGT
 GGGCTGTGTCCGCATCATCCCTTACAGCAGCCAGTATGAGGAGGCTATCGCTGCAACTTCTGGGGCTC
 AGCCCTCCCGTGCTATCCCTGCCATGTTCTGGCCTCAGAGTTCGTAGTTGCTGTGGAGGTCCACACGG
 CCACTCGCTCAAACCTCCACCCTGCTGGGTGCGAGGATGACCAGTCCCTCAGCAAGTATGAGTTTGGT
 GACCAGTGGTAGCCCTGTGGCTGCAGACAGAGTTGGGCCACTATCCTGAATAAGATTGAAGCAGCTCTG
 ACCAACCAAGACCTGTCTGTGGATGTGGTGGACCAATGTCTCATCTGCCTCAAGGAGGAATGGATGAACA
 AAGTGAAGTCTGTTTAAATTCACCAAGGTAGACAGTCGCCCAAGGAGGACACACAGAAGCTCCTAAG
 CGTCTAGGCGCATCAGAGGAGGACAACGTCAAAGTCTGAAAGTCTGGATGACGGGACTGAGCAAAACC
 TACAAGTCCCATCTCATGTCCACCGTCCGAAGCCACAGCTACAGAGTACGGAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209086 representing NM_146018
 Red=Cloning site Green=Tags(s)

MNAIVALCHFCELVHPRTLFCTEVLHAPLPQAGSGDSPDQVEQAEEEEGGIQMSRVRAHSPAEGASSE
 SSSPGPKKSDMCEGRSLAVGHPGYISHDKETSIKYVSHQHPNHPQLFSIVRQACVRSLSCEVCPGREGP
 IFFGDEQHGFFVSHFTFFIKDSLARGFQRWYSIIAIMMDRIYLINSWPFLGRIRGIISELQAKAFKVF
 EQFGCPQRAQMNTAFTPFLHQRNGNAARSLTSLTSDNLWACLHTSFALLKACGSRLTEKLLEGAPTE
 DTLVQMEKLADLEEESESWDNSEAEKEEKAPVTPEGAEGRELTSCTPESSFLSACGSWQPPKLTGFKSLR
 HMRQVLGAPSFRLAWHVLGNQVIWKSVDVNLVHSAFEVLRMLPVGCVRIIPYSSQYEEAYRCNFG
 LSPVPVIPAHLVASEFVVVVEVHTATRSNLHPAGCEDDQSLSKYEFVVTSGSPVAADRVGPTILNKIEAAL
 TNQNLSDVVDQCLICLKEEWMNKVKVLFKFTKVDSPKEDTQKLLSVLGASEEDNVKLLKFWMTGLSKT
 YKSHLMSTVRSPTATESRS

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

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>
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:	<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_146018.2
RefSeq Size:	2864 bp
RefSeq ORF:	1740 bp
Locus ID:	216805
UniProt ID:	Q8QZS3
Cytogenetics:	11 B1.3
Gene Summary:	<p>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]</p>