

Product datasheet for **MR230570**

Flcn (NM_001271356) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Flcn (NM_001271356) 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:

>MR230570 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGCCATAGTCGCCCTCTGCCACTTCTGCGAGCTCCATGGCCCCGCAGCTCTTCTGCACGGAAG
 TTCTACACGCTCCCTGCCCCAGGGGGCCGGAAGTGGGGACAGTCTGACCAGGTTGAGCAGGCTGAGGA
 GGAGGAGGTGGCATTAGATGAGCAGCCGGTCCGTGCCACAGCCAGCCGAGGGTGCCAGCAGTGAG
 TCCAGCAGCCCGGGGCCAAGAAGTCGGACATGTGTGAGGGCTGCCGGTCACTTGCCGTAGGGCACCCAG
 GCTATATCAGTCATGATAAAGAGACCTCTATTAAGTACGTCAGTACCAGCACCCCAACCACCCGAGCT
 CTTCAGCATCGTCCGACGGCTGTGTCCGAGCCTGAGCTGTGAGGTATGCCCTGGTGTGAAAGCCCC
 ATCTTCTTTGGTATGAGCAGCACGGCTTTGTGTTAGCCACACCTTCTCATCAAAGACAGCCTGGCCA
 GAGGCTTCCAGCGCTGGTACAGCATCATGCCATCATGATGGATCGGATCTACCTCATCAACTCCTGGCC
 CTTCTGCTGGGAGGATCCGCGCATCATCAGTGAAGTCCAGGCAAGGCTTCAAGGTGTTTGGGCA
 GAGCAGTTTGGATGTCCACAGCTGCCAGAGGATGAACACTGCCTTACGCCCTTCTGACACAGAGGA
 ACGGCAACGCTGCCCGCTCTCTGACCTCCTTGACCAGTGTGACAACTTGTGGGCGTGTCTGCACACTTC
 CTTTGCCTGGCTCCTGAAGGCATGCGGTAGCAGGCTGACAGAAAAGCTCTTAGAGGGCGCTCCCACAGAG
 GACACCTGGTCCAGATGGAGAAGCTTGTGACTTGGAGGAAGAATCAGAAAAGTTGGGACAATTCTGAGG
 CTGAGGAGGAGGAGAAAGCTCCTGTTACACCAGAGGGTGTGAAGGGCGAGAGCTGACCAGTTGCCAAC
 AGAGTCATCCTTCTCTCAGCCTGTGGGAGCTGGCAGCCCCAAAGCTTACCGGCTTCAAGTCTCTTGA
 CACATGAGACAGGCTTTGGTGTCCATCCTCCGTATGTTGGCTTGGCATGTCCATGGGGAATCAGG
 TGATCTGGAAAAGCAGAGATGTGAACCTGGTCCATTCAGCGTTTGAAGTCCCGGACCATGCTGCCTGT
 GGGCTGTGTCGGCATCATCCCTTACAGCAGCCAGTATGAGGAGGCTATCGCTGCAACTTCTGGGGCTC
 AGCCCTCCCGTGCTATCCCTGCCCATGTTCTGGCCTCAGAGTTCGTAGTTGCTGTGGAGGTCCACACGG
 CCACTCGCTCAAACCTCCACCCTGCTGGGTGCGAGGATGACCAGTCCCTCAGCAAGTATGAGTTTGGT
 GACCAGTGGTAGCCCTGTGGCTGCAGACAGAGTTGGGCCACTATCCTGAATAAGATTGAAGCAGCTCTG
 ACCAACCAAGACCTGTCTGTGGATGTGGTGGACCAATGTCTCATCTGCCTCAAGGAGGAATGGATGAACA
 AAGTGAAGTCTGTTTAAATTCACCAAGGTAGACAGTCGCCCAAGGAGGACACACAGAAGCTCCTAAG
 CGTCTAGGCGCATCAGAGGAGGACAACGTCAAAGTCTGAAAGTCTGGATGACGGGACTGAGCAAAACC
 TACAAGTCCCATCTCATGTCCACCGTCCGAAGCCACAGCTACAGAGTACGGAGC

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230570 protein sequence
 Red=Cloning site Green=Tags(s)

MNAIVALCHFCELVHPRFLFCTEVLHAPLPQAGSGDSPDQVEQAEEEEGGIQMSSRVRAHSPAEGASSE
 SSSPGPKKSDMCEGCRSLAVGHPGYISHDKETSIKYVSHQHPNHPQLFSIVRQACVRSLSCEVCPGREGP
 IFFGDEQHGFFVFSHTFFIKDSLARGFQRWYSIIAIMMDRIYLINSWPFLGRIRGIISELQAKAFKVF
 EQFGCPQRAQMNTAFTPFLHQRNGNAARSLTSLTSDNLWACLHTSFALLKACGSRLTEKLEGAPE
 DTLVQMEKLADLEEESESWDNSEAEKEKAPVTPGAEGRELTSCTESSFLSACGSWQPPKLTGFKSLR
 HMRQVLGAPSFRLAWHVLGNQVIWKSVDVNLVHSAFEVLRMLPVGCVRIIPYSSQYEEAYRCNFLGL
 SPPVPIPAHVLAASEFVVVEVHTATRSNLHPAGCEDDQSLSKYEFVVTSGSPVAADRVGPTILNKIEAAL
 TNQNLSDVDVVDQLICLKEEWMNKVKVLFKFTKVDSPKEDTQKLLSVLGASEEDNVKLLKFWMTGLSKT
 YKSHLMSTVRSPTATESRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001271356

ORF Size: 1740 bp

OTI Disclaimer: 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_001271356.1](#), [NP_001258285.1](#)

RefSeq Size: 3420 bp

RefSeq ORF: 1740 bp

Locus ID: 216805

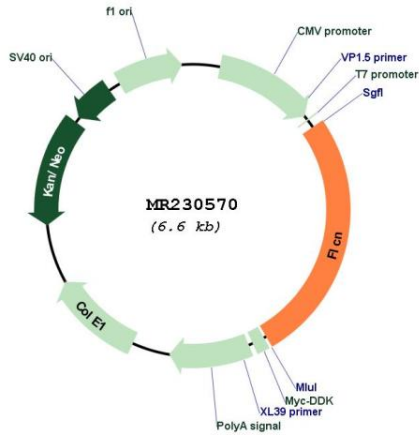
UniProt ID: [Q8QZS3](#)

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 MR230570