

## Product datasheet for **MC203029**

### **Flcn (NM\_146018) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Flcn (NM_146018) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Flcn
Synonyms:	AU014660; B430214A04Rik; Bhd; FLCL
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC025820  
 GCGCAGCCCCAGGACAGTTGCGAGCGGGTCCGGCCCCAGCATCCGGGAGACGGCGGCAAGCGCCCCAG  
 CTGGGTTGGTGTGGGCCATAGGGCTGAATGAAAGCGCGGATGACAACCTCAAGTCTTTGAATTCGAAT  
 AGTGCAGCTTGTACCTGACTCTCCGGCGGGCTCGTACATGTTCTGCTCTAGCGGGATGGTGCAGT  
 TGTGATGTGCTAAGCATAAGGCCTCGGCCATTCTCCAGCACCATGAACGCCATAGTCGCCCTTGCCACT  
 TCTGCGAGCTCCATGGCCCCGACGCTCTTCTGCACGGAAGTTCTACACGCTCCCTGCCCCAGGGGGC  
 CGGAAGTGGGACAGTCTGACCAGGTTGACAGGCTGAGGAGGAGGAGGTTGGCATTAGATGAGCAGC  
 CGGGTCCGTGCCACAGCCAGCCGAGGGTGCCAGCAGTGAAGTCCAGCAGCCCGGGGCCAAGAAGTCGG  
 ACATGTGTGAGGGCTGCCGGTCACTTGCCTAGGGCACCCAGGCTATATCAGTCATGATAAAGAGACCTC  
 TATTAAGTACGTCACTACCAGCACCCCAACCACCCGAGCTCTTCCAGCATCGTCCGCCAGGCTGTGTC  
 CGGAGCCTGAGCTGTGAGGTATGCCCTGGTGTGAAGGCCCATCTTCTTTGGTGTGAGCAGCAGCGCT  
 TTGTGTTCCAGCCACACCTTCTTCATCAAAGACAGCCTGGCCAGAGGCTTCCAGCGCTGGTACAGCATCAT  
 CGCCATCATGATGGATCGGATCTACCTCATCAACTCCTGGCCCTTCTGCTGGGAGGATCCGCGGCATC  
 ATCAGTGAGCTCCAGGCCAAGGCCTTCAAGGTGTTTGGGAGAGCAGTGGATGTCCACAGCGTGCC  
 AGAGGATGAACACTGCCTTCCAGCCCTTCTGCACCAGAGGAACGCAACGCTGCCCGCTCTGACCTC  
 CTTGACCAGTGATGACAACCTTGGGGCTGTCTGCACACTTCTTTGCCTGGCTCCTGAAGGCATGCGGT  
 AGCAGGCTGACAGAAAAGCTCTTAGAGGGCGCTCCACAGAGGACACCCTGGTCCAGATGGAGAAGCTTG  
 CTGACTTGGAGGAAGAATCAGAAAGTTGGGACAATTCTGAGGCTGAGGAGGAGGAAAGCTCCTGTTAC  
 ACCAGAGGGTGTGAAGGGCGAGAGCTGACCAGTTGCCAACAGAGTCATCCTTTCTCAGCCTGTGGG  
 AGCTGGCAGCCCCAAAGCTTACCGGCTCAAGTCTTTCGACACATGAGACAGGCTTTGGGTGCTCCAT  
 CCTTCCGTATGTTGGCTTGGCATGTCCTCATGGGAATCAGGTGATCTGGAAAAGCAGAGATGTAACT  
 GGTCCATTGAGGTTGAAGTCCCGGACCATGCTGCCTGTGGGCTGTGTCGTCATCATCCCTTACAGC  
 AGCCAGTATGAGGAGGCTATCGCTGCAACTTCTGGGGCTCAGCCCTCCCGTGCCTATCCCTGCCATG  
 TTCTGGCCTCAGAGTTCTGATGTTGCTGGAGGTCACACAGGCCACTCGCTCAAACCTCCACCTGCTGG  
 GTGCGAGGATGACCAGTCCCTCAGCAAGTATGAGTTTGGTGGACAGTGGTAGCCCTGTGGCTGCAGAC  
 AGAGTTGGGCCACTATCCTGAATAAGATTGAAGCAGCTCTGACCAACCAGAACCTGTCTGTGGATGTGG  
 TGGACCAATGTCTCATCTGCCTCAAGGAGGAATGGATGAACAAAGTAAAGTCTGTTTAAATTCACCAA  
 GGTAGACAGTCCGCCAAGGAGGACACACAGAAGCTCCTAAGCGTCTAGGCGCATCAGAGGAGGACAAC  
 GTCAAACTGCTGAAGTTCTGGATGACGGGACTGAGCAAACTACAAGTCCCATCTCATGTCCACCGTCC  
 GAAGCCCCACAGTACAGAGTACGGAGCTGACTCCGAGAACTCCTTCTGGAAGTGGTGTACAGACCAG  
 CTCTGTGGGAAAACTGCCCTTGGGTTTCTGACTTCTGGGGTGGGCTGTTTATGGCCTAGGGTTTAC  
 CCTCCTTGAAGACTCTATCAGCCCATGTTGAAATGTAGGGGACACAGAGACAGTGGTCCCTTTGCATCA  
 AACTGCGCTGTCAGGACCTGGCGAGATGTGTTCTGTGCCCGTGAGGACAAGGCTGGGAACTGAGAGGA  
 GTCCATCAGTCTGCCTCTGAGGTTTTGTTGTTGGAGCGTGTCTCATGGGGTTAGGACAACGCTTCCCA  
 CCATGGAAGACAGCAAGCATCGTGGATCATTTGCTTTTCGGTGGTACTTCTCAGGTACGTGCACAGC  
 CGTGGCCTCTGCACATCTTCCGGCCTGTGGATACATCAAACCATGGCTGTTTTGTTGCTTTGTTTT  
 TTTTTAATTTGGTTTTGAGTCAGGGTCTTATCTGTATCCTATCCCAGTTTAACTCATGGTGTGGC  
 CTCTGCTACTTCCAGACTTGTAGCAATCCTCCTGCCTCAGCCTCCCAAGTGTGGGATTACCGAACTGAG  
 CCATCAGAACATTACATTGCTTTCTTCTGTGCTGCCGTAGCGCTAACCAGCCACTGTAGACTATGAC  
 GGTGTTACGACAGATCGCCTCTCACCATTGCAGTTAATAAGGACGTAGCTTGGAAAGATTCTGAAAG  
 CTTTCCCAATTTGTTTTATAATATTCTGGTGTGTTTATATTTAACATGAAGACTGTGTATCTCAGT  
 CTCTGTACAGTTGCAAGAATGTTGAAACACAATAAATCTGTATTTTTGTAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_146018  
**Insert Size:** 1740 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC025820</a> , <a href="#">AAH25820</a>
<b>RefSeq Size:</b>	2864 bp
<b>RefSeq ORF:</b>	1740 bp
<b>Locus ID:</b>	216805
<b>UniProt ID:</b>	<a href="#">Q8QZS3</a>
<b>Cytogenetics:</b>	11 B1.3
<b>Gene Summary:</b>	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] Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein.