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Product datasheet for MC228360

Flcn (NM_001271357) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Flcn (NM_001271357) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Flcn
Synonyms:	AU014660; B430214A04Rik; Bhd; FLCL
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC228360 representing NM_001271357
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACGCCATAGTCGCCCTCTGCCACTTCTGCGAGCTCCATGGCCCCCGCACGCTCTTCTGCACGGAAG
TTCTACACGCTCCCCTGCCCCAGGGGGCCGGAAGTGGGGACAGTCCTGACCAGGTTGAGCAGGCTGAGGA
GGAGGAGGGTGGCATTCAGATGAGCAGCCGGGTCCGTGCCCACAGCCCAGCCGAGGGTGCCAGCAGTGAG
TCCAGCAGCCCGGGGCCCAAGAAGTCGGACATGTGTGAGGGCTGCCGGTCACTTGCCGTAGGGCACCCAG
GCTATATCAGTCATGATAAAGAGACCTCTATTAAGTACGTCAGTCACCAGCACCCCAACCACCCGCAGCT
CTTCAGCATCGTCCGCCAGGCCTGTGTCCGGAGCCTGAGCTGTGAGGTATGCCCTGGTCGTGAAGGCCCC
ATCTTCTTTGGTGATGAGCAGCACGGCTTTGTGTTCAGCCACACCTTCTTCATCAAAGACAGCCTGGCCA
GAGGCTTCCAGCGCTGGTACAGCATCATCGCCATCATGATGGATCGGATCTACCTCATCAACTCCTGGCC
CTTCCTGCTGGGGAGGATCCGCGGCATCATCAGTGAGCTCCAGGCCAAGGCCTTCAAGGTGTTTGAGGCA
GAGCAGTTTGGATGTCCACAGCGTGCCCAGAGGATGAACACTGCCTTCACGCCCTTCCTGCACCAGAGGA
ACGGCAACGCTGCCCGCTCTCTGACCTCCTTGACCAGTGATGACAACTTGTGGGCGTGTCTGCACACTTC
CTTTGCCTGGCTCCTGAAGGCATGCGGTAGCAGGCTGACAGAAAAGCTCTTAGAGGGCGCTCCCACAGAG
GACACCCTGGTCCAGATGGAGAAGCTTGCTGACTTGGAGGAAGAATCAGAAAGTTGGGACAATTCTGAGG
CTGAGGAGGAGGAGAAAGCTCCTGTTACACCAGAGGGTGCTGAAGGGCGAGAGCTGACCAGTTGCCCAAC
AGAGTCATCCTTTCTCTCAGCCTGTGGGAGCTGGCAGCCCCCAAAGCTTACCGGCTTCAAGTCTCTTCGA
CACATGAGACAGGTCTTGGGTGCTCCATCCTTCCGTATGTTGGCTTGGCATGTCCTCATGGGGAATCAGG
TGATCTGGAAAAGCAGAGATGTGAACCTGGTCCATTCAGCGTTTGAAGTCCTCCGGACCATGCTGCCTGT
GGGCTGTGTCCGCATCATCCCTTACAGCAGCCAGTATGAGGAGGCCTATCGCTGCAACTTCCTGGGGCTC
AGCCCTCCCGTGCCTATCCCTGCCCATGTTCTGGCCTCAGAGTTCGTAGTTGTCGTGGAGGTCCACACGG
CCACTCGCTCAAACCTCCACCCTGCTGGGTGCGAGGATGACCAGTCCCTCAGCAAGTATGAGTTTGTGGT
GACCAGTGGTAGCCCTGTGGCTGCAGACAGAGTTGGGCCCACTATCCTGAATAAGATTGAAGCAGCTCTG
ACCAACCAGAACCTGTCTGTGGATGTGGTGGACCAATGTCTCATCTGCCTCAAGGAGGAATGGATGAACA
AAGTGAAAGTCCTGTTTAAATTCACCAAGGTAGACAGTCGCCCCAAGGAGGACACACAGAAGCTCCTAAG
CGTCCTAGGCGCATCAGAGGAGGACAACGTCAAACTGCTGAAGTTCTGGATGACGGGACTGAGCAAAACC
TACAAGTCCCATCTCATGTCCACCGTCCGAAGCCCCACAGCTACAGAGTCACGGAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001271357

Insert Size: 1740 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001271357.1, NP_001258286.1
RefSeq Size:	3163 bp
RefSeq ORF:	1740 bp
Locus ID:	216805
UniProt ID:	Q8QZS3
Cytogenetics:	11 B1.3
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] Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein.