

Product datasheet for **MC228359**

Ficn (NM_001271356) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ficn (NM_001271356) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ficn
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: >MC228359 representing NM_001271356
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGCCATAGTCGCCCTCTGCCACTTCTGCGAGCTCCATGGCCCCGCAGCTCTTCTGCACGGAAG
 TTCTACACGCTCCCTGCCAGGGGGCCGGAAGTGGGGACAGTCTGACCAGGTTGAGCAGGCTGAGGA
 GGAGGAGGTGGCATTAGATGAGCAGCCGGTCCGTGCCACAGCCAGCCGAGGGTGCCAGCAGTGAG
 TCCAGCAGCCCGGGGCCAAGAAGTCGGACATGTGTGAGGGCTGCCGGTCACTTGCCGTAGGGCACCCAG
 GCTATATCAGTCATGATAAAGAGACCTCTATTAAGTACGTCAGTCACCAGCACCCCAACCACCCGAGCT
 CTTCAGCATCGTCCGACGGCTGTGTCCGAGCCTGAGCTGTGAGGTATGCCCTGGTGTGAAAGCCCC
 ATCTTCTTTGGTATGAGCAGCACGGCTTTGTGTTACGCCACACCTTCTCATCAAAGACAGCCTGGCCA
 GAGGCTTCCAGCGCTGGTACAGCATCATGCCATCATGATGGATCGGATCTACCTCATCAACTCCTGGCC
 CTTCTGTGTTGGGAGGATCCGCGCATCATCAGTGTGAGCTCCAGGCCAAGGCCCTCAAGGTGTTTGGGCA
 GAGCAGTTTGGATGTCCACAGCGTGCCAGAGGATGAACACTGCCTTACGCCCTTCTGCACCAGAGGA
 ACGGCAACGCTGCCCGCTCTCTGACCTCCTTGACCAGTGTGACAACTTGTGGGCGTGTCTGCACACTTC
 CTTTGCCTGGCTCCTGAAGGCATGCGGTAGCAGGCTGACAGAAAAGCTCTTAGAGGGCGCTCCCACAGAG
 GACACCTGGTCCAGATGGAGAAGCTTGTCTGACTTGGAGGAAGAATCAGAAAAGTTGGGACAATTCTGAGG
 CTGAGGAGGAGGAGAAGCTCCTGTTACACCAGAGGGTGTGAAGGGCGAGAGCTGACCAGTTGCCAAC
 AGAGTCATCCTTTCTCTCAGCCTGTGGGAGCTGGCAGCCCCAAAGCTTACCGGCTTCAAGTCTCTTGA
 CACATGAGACAGGCTTTGGGTCTCCATCCTCCGTATGTTGGCTTGGCATGTCCCTCATGGGAATCAGG
 TGATCTGGAAGCAGAGATGTGAACCTGGTCCATTCAGCGTTTGAAGTCTCCGACCATGCTGCCTGT
 GGGCTGTGTCGATCATCCCTTACAGCAGCCAGTATGAGGAGGCCTATCGCTGCAACTTCTGGGGCTC
 AGCCCTCCCGTGCTATCCCTGCCATGTTCTGGCCTCAGAGTTCGTAGTTGTCGTGGAGGTCCACACGG
 CCACTCGCTCAAACCTCCACCCTGCTGGGTGCGAGGATGACCAGTCCCTCAGCAAGTATGAGTTTGTGGT
 GACCAGTGGTAGCCCTGTGGCTGCAGACAGAGTTGGGCCACTATCCTGAATAAGATTGAAGCAGCTCTG
 ACCAACCAAGACCTGTCTGTGGATGTGGTGGACCAATGTCTCATCTGCCTCAAGGAGGAATGGATGAACA
 AAGTGAAGTCTGTTTAAATTCACCAAGGTAGACAGTCGCCCAAGGAGGACACACAGAAGCTCCTAAG
 CGTCTAGGCGCATCAGAGGAGGACAACGTCAAAGTCTGAAAGTCTGGATGACGGGACTGAGCAAAACC
 TACAAGTCCCATCTCATGTCCACCGTCCGAAGCCACAGCTACAGAGTACGGAGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001271356
- 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_001271356.1](#), [NP_001258285.1](#)

RefSeq Size: 3420 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 (1) encodes a protein. Variants 1, 2, and 3 encode the same protein.