

Product datasheet for **MC201647**

Nfil3 (NM_017373) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfil3 (NM_017373) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nfil3
Synonyms:	AV225605; E4BP4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC031377 sequence for NM_017373
 ACGGACCAGGGAGCAGAACCCACGATAACCCATGAAAGGCTCCTGACAGATTTACCCTGTGCCGACAACA
 GAAGGACCCATTGATGGATGAGAGGCTGAAGTCCTTAAGACCTGAAAGAAGACTGGGGAAGTGATTTGTC
 TCCTCCATCCGGTCTGTAGGACGAGGAGTCTTTCTGATGCAGCTGAGAAAAATGCAGACCATCAAAAA
 GGAGCCCGCACCCCTAGATCCTACCAGCAGCTCAGACAAGATGCTGCTGCTGAACCTGCCTTAGCTGAG
 GTGGCCGAGGACCTAGCCTCAGGTGAAGATTTGCTCCTGAACGAAAGGAGCATGGGAAAAACAAATCCT
 CGGCGTGTCCGGAGAAAACGGGAATTCATTCCGGACGAGAAGAAAGACGCCATGTATTGGGAGAAACGGCG
 GAAAAACAACGAAGCTGCCAAAAGATCTCGGGAGAAGCGCCGCTCAATGACCTGGTTTTGGAGAACAAG
 CTGATTGCCCTGGGAGAAGAAAATGCCACTTTAAAGCTGAGCTGCTCCTGAAATTAAGTTTTGGTT
 TAATTAGCTCCACGGCGTATGCCAAGAAAATCCAGAACTCAGTAATTCACAGCTGTCTACTTTTCAGGA
 CTACCAGACATCCAAGGCTGCCGTGAGCTCTTTGTGGACGAGCATGAGCCTGCGATGGTAGCCGGAAGT
 TGCATCTCAGTCATCAAGCACTCTCCCCAGAGCTCGCTCTCCGATGTGTCAGAGGTGCTCCTGGTGGAGC
 AACTCAGGAAAGCCCCGCACAGGGAGGCTGCCGAGCCCTGAGAACAAGTTCCTGTGATCAAGCAGGA
 GCCCGTGGAGTTGGAGAGCTTTGCCAGGGAGGCCAGGGAGGAGCGGGGCACGTATCCACCTCCATCTAC
 CAGAGCTACATGGGAAGCTCTTTCTCCACTTACTCCACTCCCCACCCCTCTTGCAGGTCCATGGGTCCA
 CTAGCAACTCCCCAAGAACCTCAGAGGCCGATGAGGGTGTAGTGGCAAGTCTTCTGATGGGGAAGACGA
 ACAACAGGTCCCTAAGGGCCCCATCCATTTCTCCAGTGGAGCTGCAACGGGTTACGCCACGGTGGTGAAG
 GTTCCGGAAGTGAACCCTTCTGCCTTACCGCACAAGCTTCGGATTAAGCCAAGGCCATGCAAGTCAAAG
 TGGAGGCTTTGGACAGCGAGTTTGAAGGCATGCAGAACTCTCTTACCCGCCGATGCGATCGCCAAAAG
 ACATTTTGACCTGGAGAAAACATGGAACCTCGGGTATGGCCATTCTCCCTCCCTCCTTTCTCAGTGCAG
 GTGACGAACATTAAGATTGGTCCCTCAAATCGGAACACTGGCATCACAAGAAGTGAAGCAGCAAACTC
 AGAGTAGCTTCAAACAGGTGTGGTGAAGTCAAAGACGGTGGCTATAAGTTTTCCGAAGCTGAGAATTT
 GTATTTGAAGCAGGGAATAGCAAATTAATCTGACAGAGTGGTCTCGCTCAAGAGATTCATAGCCACACAA
 CCGATCTCGGCTTCGGACTCCAGGTAATGGCTGCTGACCGAGCTATGCATGGAGGAGGAGCTGTGTGGT
 ACCATACTGAATTTCACTGGACCTCTAAAGTCATTTCACTGTAGTGTGACACAACGGCGTGTCTGGGT
 GTCCTTGTGTGCACGCGCTGAAGACTTGATGCCCTCACTCTGCCTGGCGTGTAGTCAGATAGCCCCCAC
 AGAGGCTGTACATACTGAACGTTATTTTTGCTCTATTATAAAGTGTGTATGTTGCCAGTTTCAATAAAGG
 ATTGGTGGCAAGCACAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_017373

Insert Size: 1389 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).

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: [BC031377](#), [AAH31377](#)

RefSeq Size: 1863 bp

RefSeq ORF: 1389 bp

Locus ID: 18030

UniProt ID: [O08750](#)

Cytogenetics: 13 27.68 cM

Gene Summary: The protein encoded by this gene is a transcriptional regulator that binds as a homodimer to activating transcription factor (ATF) sites in many cellular and viral promoters. The encoded protein represses Per1 and Per2 expression and therefore plays a role in the regulation of circadian rhythm. [provided by RefSeq, Feb 2014]