

Product datasheet for **RN201525**

Nfil3 (NM_053727) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfil3 (NM_053727) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nfil3
Synonyms:	E4BP4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201525 representing NM_053727
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGCTGAGAAAAATGCAGGCCATCAAAAAGGAGCCTGCATCCCTGGATCCTACCGGCAGCTCAGACA
 AGATGTTGCTGCTGAACTCTGCCTTAGCTGAGGTGGCTGAGGACCTAGCCTCAGGGGAAGATCTGCTCCT
 GAATGAAGGGAGCATGGGAAAAACAAGTCTCTGCCTGTCGGAGAAAACGGGAATTCATCCCGGATGAG
 AAGAAGGACGCCATGTATTGGGAGAAACGGCGAAAAACAACGAGGCTGCCAAAAGGTCTCGGGAGAAGC
 GTCGCCTCAATGACCTGGTTCTGGAGAACAAGCTGATCGCCCTGGGAGAAGAAAAATGCCACTTTAAAGC
 TGAGCTGCTCCTGAAATTAAGTTTGGCTTAATTAGCTCCACGGTGTACGCCAAGAAATCCAGAAA
 CTCAGTAATCCACAGCTGTGTATTTTCAGGACTACCAGACATCCAAGGCTGCCGTGAGCTTTACGTGG
 ACGAGCATGAGCCTGCGATGGTAGCCGGAAGTTGCATCTCTGTCAAGCACTCTCCTCAGAGCTCGCT
 CTCGGATGTGCTGAGGTGTCCTCTGTGGAGCACACAGGAAAGCCCCGCACAGGGAGGCTGCCGGAGC
 CCTGAGAACAAAGTTCCCTGTGATCAAGCAGGAGCCCGTGGAGTTGGAGAGCTTTGCCAGGGAGTCCAGAG
 AGGAGCGGGGTGCCTATTCGCCTCCATCTACCAGAGCTACATGGGTAGCTCTTTCTCCACCTACTCCCA
 CTCCCCTCCCCTCCTGCAGGTCCACGGCTCCACCAGCAACTCCCCGAGAACCTCGGAGGCCGACGAGGGT
 GTGGTGGGCAAGTCTTCTGATGGGGAAGACGAGCAGCAGGTCCCCAAAGGCCCATCCATTCTCCAGTGG
 AGCTGCAGCGGGTGCACGCCACGGTGGTGAAGTTCCGGAAGTGAACCTTCCGCCTTACCGCACAAAGCT
 CCGGATTAAGCCAAGGCCATGCAGGTCAAAGTGAAGCTTTGGACAGTGAGTTCAAGGCATGCAGAAA
 CTCTCTTACCGGCAGATGCGCTAGCCAAAAGACATTTGACCTGGAGAAGCATGGCGCTTCGGGTACGG
 CCCATTCCTCCCTCCCTCTTTCTCGGTGCAGGTGACGAACATTCAAGATTGGTCCCTCAGATCGGAACA
 CTGGCATCACAAGAAGTGGGCGGCAAAACTCAGGGTACCTTCAAACGGGTGTGGTGAAGTCAAAGAC
 AGTGGCTATAAGTTTCCGAGGCTGAGAAATTTGATTTGAAGCAGGGGTGGCAAATTTATCCGAGAGG
 TGGTCTCGCTCAAGAGATTATAGCCACACAGCCTATCTCGGCTTCGGACTCCAGG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053727

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: [NM_053727.2](#), [NP_446179.2](#)

RefSeq Size: 1990 bp

RefSeq ORF: 1389 bp

Locus ID: 114519

UniProt ID: [Q6IMZ0](#)

Cytogenetics: 17p14

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]