

## Product datasheet for **SC336262**

### **NFIL3 (NM\_001290000) Human Untagged Clone**

#### Product data:

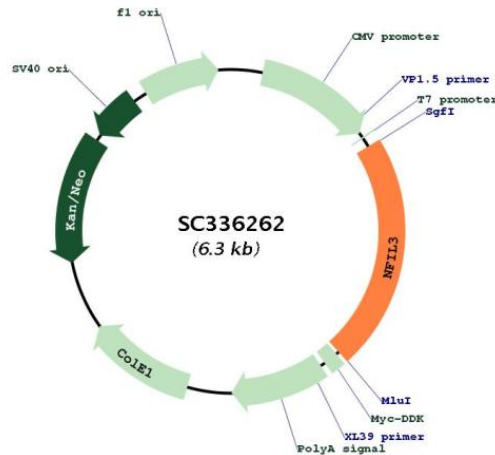
**Product Type:** Expression Plasmids  
**Product Name:** NFIL3 (NM\_001290000) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** NFIL3  
**Synonyms:** E4BP4; IL3BP1; NF-IL3A; NFIL3A  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC336262 representing NM\_001290000.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGCAGCTGAGAAAAATGCAGACCGTCAAAAAGGAGCAGGCGTCTCTTGATGCCAGTAGCAATGTGGAC
AAGATGATGGTCCTTAATTCTGCTTTAACGGAAGTGCAGAAGACTCCACAACAGGTGAGGAGCTGCTT
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ACTGATGATGGTGTGGTAGGAAAGTCATCTGATGGAGAAGACGAGCAACAGGTCCCAAGGGCCCCATC
CATTCTCCAGTTGAACTCAAGCATGTGCATGCAACTGTGGTTAAAGTTCCAGAAGTGAATTCCTCTGCC
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TCTCTCAAATCGGAGCACTGGCATCAAAAAGAACTGAGTGGCAAACTCAGAATAGTTTCAAACCTGGA
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GCAAACCTATCTGCAGAGGTTGTCTCACTCAAGAGACTTATAGCCACACAACCAATCTCTGCTTCAGAC
TCTGGGTAA
```

**Restriction Sites:** Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_001290000

**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\\_001290000.1](#)

**RefSeq Size:** 2099 bp

**RefSeq ORF:** 1389 bp

**Locus ID:** 4783

**UniProt ID:** [Q16649](#)

**Cytogenetics:** 9q22.31

**Protein Families:** Transcription Factors

**MW:** 51.5 kDa

**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. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Feb 2014]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All three variants encode the same protein.