

Product datasheet for **SC116782**

NFIL3 (NM_005384) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFIL3 (NM_005384) Human Untagged Clone
Tag:	Tag Free
Symbol:	NFIL3
Synonyms:	E4BP4; IL3BP1; NF-IL3A; NFIL3A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_005384 edited
 GAATTCGGCACGAGGAAAGGAAGAATATTGATGGATTTTAAACCAGAGTTTTTAAAGAGC
 TTGAGAATACGGGGAAATTAATTTGTTCTCCTACACACATAGATAGGGTAAGGTTGTTTC
 TGATGCAGCTGAGAAAAATGCAGACCGTCAAAAAGGAGCAGGCGTCTCTTGATGCCAGTA
 GCAATGTGGACAAGATGATGGTCCTTAATTCTGCTTTAACGGAAGTGTGAGAAGACTCCA
 CAACAGGTGAGGAGCTGCTTCTCAGTGAAGGAAGTGTGGGGAAGAACAAATCTTCTGCAT
 GTCGGAGAAAACGGGAATTCATTCCTGATGAAAAGAAAGATGCTATGTATTGGGAAAAAA
 GGCGGAAAAATAATGAAGCTGCCAAAAGATCTCGTGAGAAGCGTCGACTGAATGACTGG
 TTTTAGAGAACAACAACTAATTGCACTGGGAGAAGAAAACGCCACTTTAAAAGCTGAGCTGC
 TTTCACTAAAATTAAGTTTGGTTAATTAGCTCCACAGCATATGCTCAAGAGATTGAGA
 AACTCAGTAATTTACAGCTGTGACTTTCAAGATTACCAGACTTCCAAATCCAATGTGA
 GTTCATTTGTGGACGAGCACGAACCTCGATGGTGTCAAGTAGTTGTATTTCTGTCATTA
 AACACTCTCCACAAGCTCGCTGCCGATGTTTTCAGAAGTGTCTCAGTAGAACACACGC
 AGGAGAGCTCTGTGCAGGGAAGTGCAGAAGTCTGAAAACAAGTCCAGATTATCAAGC
 AAGAGCCGATGGAATTAGAGAGTACACAAGGGAGCCAAGAGATGACCGAGGCTCTTACA
 CAGCGTCCATCTATCAAACTATATGGGAATTTCTTCTCTGGGTAATCACACTCTCCCC
 CACTACTGCAAGTCAACCGATCCTCCAGCAACTCCCCGAGAACGTGCGAAACTGATGATG
 GTGTGGTAGGAAAGTCATCTGATGGAGAAGACGCAACAGGTCCCAAGGGCCCCATCC
 ATTCTCCAGTTGAACTCAAGCATGTGCATGCAACTGTGGTTAAAGTTCAGAAAGTGAATT
 CCTCTGCCTTGCCACACAAGCTCCGGATCAAAGCCAAAGCCATGCAGATCAAAGTAGAAG
 CCTTTGATAATGAATTTGAGGCCACGCAAAAACCTTCTCACCTATTGACATGACATCTA
 AAAGACATTTGCAACTCGAAAAGCATAGTGCCCAAGTATGGTACATTCTTCTCTTACTC
 CTTTCTCAGTGCAAGTGACTAACATTCAAGATTGGTCTCTCAAATCGGAGCACTGGCATC
 AAAAAGAAGTGTGGCAAAAACAGAAATAGTTTCAAACCTGGAGTTGTTGAAATGAAAG
 ACAGTGGCTACAAGTTTCTGACCCAGAGAAGTGTATTTGAAGCAGGGGATAGCAAACT
 TATCTGCAGAGTTGTCTCACTCAAGAGACTTATAGCCACACAACCAATCTCTGTTTCAG
 ACTCTGGGTAAATTAATACTACTGAGTAAGAGCTGGGCATTTAGAAAGATGTCATTTGCAATA
 GAGCAGTCCATTTGTATTATGCTGAATTTTCACTGGACCTGTGATGTCATTTCACTGTG
 ATGTGCACATGTTGTCTGTTTGGTGTCTTTTGTGCACAGATTATGATGAAGATTAGATT
 GTGTTATCACTCTGCCTGTGTATAGTCAGATAGTCCATGCGAAGGCTGTATATATTGAAC
 ATTATTTTGTGTTTCTATTATAAAGTGTGTAAGTTACCAGTTTCAATAAAGATTGGTG
 ACAAAACACAGAA
 AAACT
 CGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005384 unedited
 TGCAGAATTTTGTAAATACGACTCACTATTAGGGCGGCCGGAATTCGCACGAGAAGGAAG
 ATATTGATGGATTTTAAACCAGAGTTTTTAAAGAGCTTGAGATACGGGGAAATTAATTTG
 TTCTCCTACACACATAGATAGGGTAAGGTTGTTTCTGATGCAGCTGAGAAAAATGCAGAC
 CGTCAAAAAGGAGCAGGCGTCTCTTGATGCCAGTAGCAATGTGGACAAGATGATGGTCCT
 TAATTTCTGCTTTAACGGAAGTGTGAGAAGACTCCACAACAGGTGAGGAGCTGCTTCTCAG
 TGAAGGAAGTGTGGGGAAGAACAATCTTCTGCATGTCGGAGGAAACGGGAATTCATTCC
 TGATGAAAAGAAAGATGCTATGTATTGGGAAAAAGCGGAAAAATAATGAAGCTGCCAA
 AAGATCTCGTGAGAAGCGTCGACTGAATGACCTGGTTTTAGAGAACAACAAATTTGCACT
 GGGAGAAGAAAACGCCACTTTAAAAGCTGAGCTGCTTTCACTAAAATTAAGTTTGGTTT
 AATTAGCTCCACAGCATATGCTCAAGAGATTGAGAACTCAGTAATTCTACAGCTGTGTA
 CTTTCAAGATTACCAGACTTCCAAATCCAATGTGAGTTTCAATTTGTGGACGAGCACGAACC
 CTCGATGGTGTCAAGTAGTTGTATTTCTGTCAATTAACACTCTCCACANAGCTCGCTGTC
 CGATGTTTCAGAAGTGTCTCAGTAGTACACACGACGAGAGCTCTGTGCAGGGAAGCTG
 CANAAAGTCTGAAAACAAGTTCCAGATTTATCAAGCAGGACCGATGGNATTAGAGAGCT
 ACACAAGGGACCCAGAGATGACCGAGCCTACACAGCGTTTCACTATCAAACTATATGG
 GGAATNCTTCTCTGGGTACTC

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_005384 unedited TTGTCCCAATCCTTTTGAAGTGGTAACTTACACACTTTTAAATAGAACAAACAAAATATGT TCAATATATACAGCCTTCGCATGGACTATCTGACTATACACAGGCAGAGTGATAACACAA TCTAATCTTCATCATAATCTGTGCACAAAAAGACACCAACAGACAACATGTGCACATCA CAGTGAAATGACATCACAGGTCCAGTGAAAATTCAGCATAATACAAAATGGACTGCTCTA TTGCAAATGACATCTTTCTAAATGCCAGCTCTTACTCAGTAGTAATTTACCCAGAGTCT GAAGCAGAGATTGGTTGTGGCTATAAGTCTCTTGAGTGAGACAACCTCTGCAGATAAG TTTGCTATCCCCTGCTTCAAATACAAGTTCTCTGGGTCAGAAACTTTGTAGCCACTGTCT TTCATTTCAACAACCTCCAGTTTTGAAACTATTCTGAGTTTTGCCACTCAGTTCTTTTTGA TGCCAGTGCTCCGATTTGAGAGACCAATCTTGAATGTTAGTCACTTGCACTGAGAAAGGA GTAAGAGAAGAATGTACCATACTGGGGCACTATGCTTTTCGAGTTCGAAATGTCTTTTA GATGTCATGTCAATAGGTGAGGAAAGTTTTGCGTGGCCTCAAATTCATTATCAAAGGCT TCTACTTTGATCTGCATGGCTNTGGCTNTGATCCGGAGCTTGTGTGCCAGGCAGNAGAAT TCACTTCTGGAACNTAACACAGTTGCATGCACATGCTTGAGTCAACTGGAGAATGGA TGGNGCCCTTNGGACCTGTTGCTCGTCTTCTCCATCAGATGACTTTCCTACCACACCA TCATCAGTTTNCAGCTTCTCGGGGAGTTGCTGGNAGGATCGGNTTGACTTNGCANTA NTGGGGGGAGAGTGTGAGTACCCAGAGAAAGAATCCCCATATATTTTTGATAGATGGAC GCTGNGTTAGAAGCCCTCGTCATCTCTTTG
Restriction Sites:	NotI-NotI
ACCN:	NM_005384
Insert Size:	1910 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:	<ol style="list-style-type: none"> 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_005384.2 , NP_005375.2
RefSeq Size:	2104 bp
RefSeq ORF:	1389 bp
Locus ID:	4783
UniProt ID:	Q16649
Cytogenetics:	9q22.31
Domains:	BRLZ

Protein Families: Transcription Factors

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 (3) differs in the 5' UTR compared to variant 1. All three variants encode the same protein.