

Product datasheet for **RG238368**

NFIL3 (NM_001290000) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFIL3 (NM_001290000) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NFIL3
Synonyms:	E4BP4; IL3BP1; NF-IL3A; NFIL3A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238368 representing NM_001290000. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGCTGAGAAAAATGCAGACCGTCAAAAAGGAGCAGGCGTCTCTTGATGCCAGTAGCAATGTGGAC
AAGATGATGGTCCTTAATTCTGCTTTAACGGAAGTGTGAGAAGACTCCACAACAGGTGAGGAGCTGCTT
CTCAGTGAAGGAAGTGTGGGAAGAACAATCTTCTGCATGTCGGAGGAAACGGGAATTCATTCTGAT
GAAAAGAAAGATGCTATGTATTGGGAAAAAGGCGAAAAATAATGAAGCTGCCAAAAGATCTCGTGAG
AAGCGTCGACTGAATGACCTGGTTTTAGAGAACAACAACTAATTGCACTGGGAGAAGAAAACGCCACTTTA
AAAGCTGAGCTGCTTTCCTAAAATTAAGTTTGGTTTAAATTAGCTCCACAGCATATGCTCAAGAGATT
CAGAAACTCAGTAATTCTACAGCTGTGTACTTTCAAGATTACCAGACTTCCAATCCAATGTGAGTTCA
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AGCTCGCTGTCCGATGTTTCAGAAGTGTCTCAGTAGAACACACGCAGGAGAGCTCTGTGACGGGAAGC
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GAGCCAAGAGATGACCGAGGCTCTTACACAGCGTCCATCTATCAAACTATATGGGAATTTCTTCTCT
GGTACTCACACTCTCCCCACTACTGCAAGTCAACCGATCCTCCAGCAACTCCCCGAGAACGTCGGAA
ACTGATGATGGTGTGGTAGGAAAGTCACTGTGATGGAGAAGACGAGCAACAGGTCCCCAAGGGCCCCATC
CATTCTCCAGTTGAACTCAAGCATGTGCATGCAACTGTGGTTAAAGTTCAGAAGTGAATTCCTCTGCC
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GTTGTTGAAATGAAAGACAGTGGCTACAAAGTTTCTGACCAGAGAACTGTATTTGAAGCAGGGGATA
GCAAATCTATCTGCAGAGTTGTCTCACTCAAGAGACTTATAGCCACACAACCAATCTCTGCTTCAGAC
TCTGGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238368
 Blue=ORF Red=Cloning site Green=Tag(s)

MQLRKMQTVKKEQASLDASSNVDKMMVLNSALTEVSEDSTTGEELLSEGSVGNKSSACRRKREFIPD
 EKKDAMYWEKRRKNNEAAKRSREKRRLNDLVLENKLIALGEENATLKAELLSLKLKFLISSTAYAQEI
 QKLSNSTAVYFQDYQTSKSNVSSFVDEHEPSMVSSCSIVIKHSPQSSLSDVSEVSSVEHTQESSVQGS
 CRSPENKFQIIKQEPMELESYTREPRDDRGSYTASIQNYMGNFSFGYSHSPLLQVNRSSNSPRTSE
 TDDGVVGKSSDGEDEQQVPKGPISHPVELKHVHATVVKVPEVNSSALPHKLRKAKAMQIKVEAFDNEF
 EATQKLSPIDMTSKRHFELEKHSAPSMVHSSLTPFSVQVTNIQDWSLSEHWHQKELSGKTQNSFKTG
 VVEMKDSGYKVS DPENLYLKQGIANLSAEVVS LKRLIATQPI SASDSG
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPGYPENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001290000

ORF Size: 1386 bp

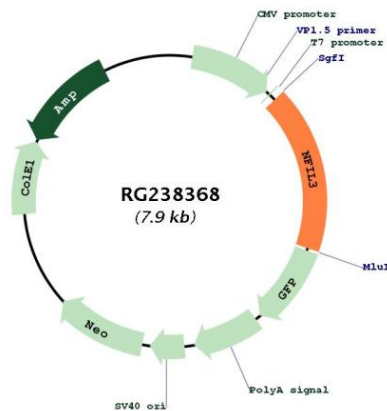
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

RefSeq: [NM_001290000.1](#), [NP_001276929.1](#)

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]

Product images:


Circular map for RG238368