

Product datasheet for **RC226907**

ILF3 (NM_017620) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ILF3 (NM_017620) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ILF3
Synonyms:	CBTF; DRBF; DRBP76; MMP4; MPHOSPH4; MPP4; MPP4110; NF-AT-90; NF90; NF90a; NF90b; NF90c; NF90ctv; NF110; NF110b; NFAR; NFAR-1; NFAR-2; NFAR2; NFAR90; NFAR110; TCP80; TCP110
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC226907 representing NM_017620
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGTCCAATGCGAATTTTTGTGAATGATGACCGCCATGTGATGGCAAAGCATTCTTCGTTTATCCAA
 CACAAGAGGAGCTGGAGGCAGTCCAGAACATGGTGTCCACACGAGCGGGCGCTCAAAGCTGTGTCCGA
 CTGGATAGACGAGCAGGAAAAGGGTAGCAGCGAGCAGGCAGAGTCCGATAACATGGATGTCCCCAGAG
 GACGACAGTAAAGAAGGGGCTGGGGAACAGAAGACGGAGCACATGACCAGAACCCTGCGGGGAGTGTGC
 GGGTGGGCTGGTGGCAAAGGGCTCTACTCAAGGGGACTTGGATCTGGAGCTGGTGTCTGTGTAA
 GGAGAAGCCACAACCGCCCTCTGGACAAGGTGGCCGACAACCTGGCCATCCAGCTTGTCTGTAAACA
 GAAGACAAGTACGAAATACTGCAATCTGTGACGATGTGCGATTGTGATAAAAAACACAAAAGAGCCTC
 CATTGTCCCTGACCATCCACTGACATCCCTGTTGTGACAGAGAAGAAATGGAGAAAGTATTAGCTGGAGA
 AACGCTATCAGTCAACGACCCCCGGACGTTCTGGACAGGCAGAAATGCCTTGTGCCTTGGCGTCCCTC
 CGACACGCCAAGTGGTCCAGGCCAGAGCCAACGGGCTGAAGTCTTGTGTCATTGTGATCCGGGTCTTGA
 GGGACCTGTGCACTCGCGTGCACCTGGGGTCCCTCCGAGGCTGGCCTCTCGAGCTCCTGTGTGAGAA
 ATCCATTGGCACGGCCAACAGACCGATGGGTGCTGGCGAGGCCCTGCGGAGAGTGTGGAGTGCCTGGCG
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 GGCATCTAGACAGACAGCAACGGGAAGATATCACACAGAGTGCAGCAGCAGCACTGCGGCTCGCTGCCT
 CGGCCAGCTCCATAAAGTCTAGGCATGGACCTCTGCCTTCCAAGATGCCAAGAAACCAAGAATGAA
 AACCCAGTGGACTACACCGTTGAGATCCCAACCAAGCACCACTATGCCATTACGCCATGAAACGCCCAA
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 AGAGCCCCCAGGCTATGAATGCCCTGATGCGGTTGAACCAGCTGAAGCCAGGGCTGCAGTACAAGCTG
 GTGTCCAGACTGGGCCGTCCATGCCCCATCTTACCATGTCTGTGGAGTTGATGGCAATTCATTTCG
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 CTGCCGAGAACGTAACACAGCAGGGGCCGATCTGACAAAGCACGGCAAGAACCCAGTATGGAGCTGAA
 CGAGAAGAGGCGTGGGCTCAAGTACGAGCTCATCTCCGAGACCGGGGCGCCACGACAAGCGCTTCGTC
 ATGGAGGTGCAAGTGGATGGACAGAAGTCCAAGGTGCTGGTCCAACAAAAAGGTGGCGAAGGCCTACG
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 GGCCCCATGCACAACGAAGTGGCCCCACCCCCAACCTTCGAGGGCGGGGAGAGGGCGGGAGCATCCGGG
 GACGAGGGCGCGGGCAGGATTTGGTGGCGCAACCATGGAGGCTACATGAATGCCGGTGTGGGTATGG
 AAGCTATGGGTACGGAGGCAACTCGGCGACAGCAGGCTACAGTCAGTTCTACAGCAACGGAGGGCATTCT
 GGGAAATGCCAGTGGCGGTGGCGGCGGGGCGGTGGTGGCTCCTCCGGCTATGGCTCCTACTACCAAGGTG
 ACAACTACAACACACCGGTGCCCAAAACACGCTGGGAAGAAGCAGCCGACGGGGCCAGCAGAAGCC
 CTCCTACGGCTCGGGCTACCAGTCCCACCAGGGCCAGCAGCAGTCTACAACCAGAGCCCTACAGCAAC
 TATGGCCCTCCACAGGGCAAGCAGAAAGGCTATAACCATGGACAAGGCAGCTACTCTACTGAACTCCT
 ACAACTCTCCCGGGGCGGGGGCGGATCCGACTACAACACGAGAGCAAAATCAACTACAGTGGTGTGG
 AGGCCGAAGCGCGGGAACAGCTACGGCTCAGGCGGGGCATCTACAACCAGGGTCACACGGGGCTAC
 GGCGGAGGTTCTGGGGCGGCTCCTACCAAGGCAACAAGGAGGCTACTCACAGTCAACTACAAC
 CCCCAGGGTCCGGCCAGAACTACAGTGGCCCTCCAGCTCCTACCAGTCTCACAAAGCGGCTATGGCAG
 AAACGCAGACCACAGCATGAACTACCAGTACAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226907 representing NM_017620
 Red=Cloning site Green=Tags(s)

MRPMRIFVNDRRHVMMAKSSVYPTQEELEAVQNMVSHTERALKAVSDWIDEQEKGSSQAEEDNMDVPPE
 DDSKEGAGEQKTEHMTRTLRGMVRLVAKGLLLKGDLELVLLCKEPTTALLDKVADNLAIQLAAVT
 EDKYEILQSVDDAAIVIKNTKEPPLSLTIHLTSPVVREEMEKVLAGETLSVNDPPDVLDROKCLAALASL
 RHAKWFQARANGLKSCVIVIRVLRDLCTRVPTWGPLRGWPLELLCEKSIGTANRPMGAGEALRRVLECLA
 SGIVMPDGGSIYDPCEKEATDAIGHLDROQREDITQSAQHALLRLAAFQQLHKVLMGDPLPSKMPKPKNE
 NPVDYTVQIPPSTTYAITPMKRPMEEEDGEKESPKKKKKIQKKEEKAEPQAMNALMRLNQLKPGLYKLL
 VSQTGPVHAPIFTMSVEVDGNSFEASGPSKKTAKLHVAVKVLQDMGLPTGAEGRDSSKGEDSAEETEAKP
 AVVAPAPVVEAVSTPSAAFPSDATAENVKQGPILTKHGKNPVMELENEKRRGLKYELISETGGSHDKRFV
 MEVEVDGQKFGAGSNKKVAKAYAALAALKLPDTPALDANKKKRAPVVRGGPKFAAKPHNPGFGMG
 GPMHNEVPPPNLRGRGRGGSIRGRGRGRFGGANHGGYMNAGAGYGSYGYGNSATAGYSQFYSNGGHS
 GNASGGGGGGGGSSGYGSYYQGDYNSPVPPKHAGKKQPHGGQKPSYGSYQSHQGGQQSYNQSPYSN
 YGPPQKQKGYNHGQGSYSYSNSYNSPGGGGGSDYNYESKFNYSGSGGRSGGNSYSGGGASYNPGSHGGY
 GGGSGGGSSYQKQGGYSQSNYNSPGSGQNYSGPPSSYQSSQGGYGRNADHSMNYQYR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

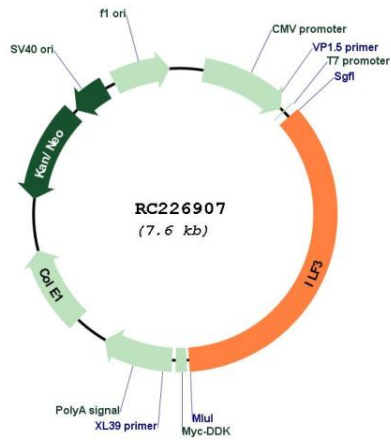


ACCN: NM_017620

ORF Size: 2694 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).
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_017620.2 , NP_060090.2
RefSeq ORF:	2697 bp
Locus ID:	3609
UniProt ID:	Q12906
Cytogenetics:	19p13.2
Protein Families:	Druggable Genome, Transcription Factors
MW:	95.6 kDa
Gene Summary:	This gene encodes a double-stranded RNA (dsRNA) binding protein that complexes with other proteins, dsRNAs, small noncoding RNAs, and mRNAs to regulate gene expression and stabilize mRNAs. This protein (NF90, ILF3) forms a heterodimer with a 45 kDa transcription factor (NF45, ILF2) required for T-cell expression of interleukin 2. This complex has been shown to affect the redistribution of nuclear mRNA to the cytoplasm. Knockdown of NF45 or NF90 protein retards cell growth, possibly by inhibition of mRNA stabilization. In contrast, an isoform (NF110) of this gene that is predominantly restricted to the nucleus has only minor effects on cell growth when its levels are reduced. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Dec 2014]

Product images:



Circular map for RC226907