

Product datasheet for **SC326279**

ILF3 (NM_017620) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ILF3 (NM_017620) Human Untagged Clone
Tag:	Tag Free
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
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_017620, the custom clone sequence may differ by one or more nucleotides

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ATGCGTCCAATGCGAATTTTTGTGAATGATGACCGCCATGTGATGGCAAAGCATTCTTCC
GTTTATCCAACACAAGAGGAGCTGGAGGCAGTCCAGAACATGGTGTCCCACACGGAGCGG
GCGCTCAAAGCTGTGTCGACTGGATAGACGAGCAGGAAAAGGGTAGCAGCGAGCAGGCA
GAGTCCGATAACATGGATGTGCCCCAGAGGACGACAGTAAAGAAGGGGCTGGGGAACAG
AAGACGGAGCACATGACCAGAACCCTGCGGGGAGTGTGCGGGTGGCCCTGGTGGCAAAG
GGCCTCCTACTCAAGGGGACTTGGATCTGGAGCTGGTGTGCTGTGTAAGGAGAAGCCC
ACAACCGCCCTCCTGGACAAGGTGGCCGACAACCTGGCCATCCAGCTTGCTGTGTAACA
GAAGACAAGTACGAAATACTGCAATCTGTGACGATGCTGCGATTGTGATAAAAAACACA
AAAGAGCCTCCATTGTCCCTGACCATCCACCTGACATCCCCTGTTGTGAGAGAAGAAATG
GAGAAAGTATTAGCTGGAGAAACGCTATCAGTCAACGACCCCCCGACGTTCTGGACAGG
CAGAAATGCCTTGCTGCCTTGGCGTCCCTCCGACACGCCAAGTGGTTCAGGCCAGAGCC
AACGGGTGAAGTCTTGTGTCATTGTGATCCGGGTCTTGAGGGACCTGTGCACTCGCGTG
CCCACCTGGGGTCCCCTCCGAGGCTGGCCTCTCGAGCTCTGTGAGAAATCCATTGGC
ACGGCCAACAGACCGATGGGTGCTGGCGAGGCCCTGCGGAGAGTGTGGAGTGCCTGGCG
TCGGGCATCGTGATGCCAGATGGTCTGGCATTATGACCCTTGTGAAAAAGAAGCCACT
GATGCTATTGGGCATCTAGACAGACAGCAACGGGAAGATATCACACAGAGTGCAGCAGCAC
GCACTGCGGCTCGCTGCCTTCGGCCAGCTCCATAAAGTCTAGGCATGGACCCCTGCTGCT
TCCAAGATGCCAAAGAAACCAAGAATGAAAACCCAGTGGACTACACCGTTCAGATCCCA
CCAAGCACCACTATGCCATTACGCCATGAAACGCCCAATGGAGGAGGACGGGGAGGAG
AAGTCGCCCAGCAAAAAGAAGAAGATTGAGAAGAAAGAGGAGAAGGCAGAGCCCCC
CAGGCTATGAATGCCCTGATGCGGTTGAACCAAGTGAAGCCAGGGCTCGAGTACAAGCTG
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AATTCATTGAGGCTCTGGGCCCTCAGAAAGACGGCCAAGCTGCACGTGGCCGTTAAG
GTGTTACAGGACATGGGCTTGGCGACGGGTGCTGAAGGCAGGGACTCGAGCAAGGGGGAG
GACTCGGCTGAGGAGACCGAGGCGAAGCCAGCAGTGGTGGCCCTGCCCCAGTGGTAGAA
GCTGTCTCCACCCTAGTGCGCCCTTCCCTCAGATGCCACTGCCGAGAACGTAAAAACAG
CAGGGGCCGATCTGACAAAGCACGGCAAGAACCAGTCAAGGCTGAACGAGAAGAGG
CGTGGGCTCAAGTACGAGCTCATCTCCGAGACCGGGGACGCCACGACAAGCGCTTCGTC
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GATGCCAACAAAAAGAAGAGAGCCCAAGTACCCGTGAGAGGGGGACCGAAATTTGCTGCT
AAGCCACATAACCCTGGCTTCGGCATGGGAGGCCCATGCACAACGAAGTGCACCCACCC
CCCAACCTTCAGAGGGCGGGGAAGAGGCGGGGAGCATCCGGGACGAGGGCGCGGGCGAGGA
TTTGGTGGCGCAACCATGGAGGCTACATGAATGCCGGTGTGGGTATGGAAGCTATGGG
TACGGAGGCAACTCGGCGACAGCAGGCTACAGTCAAGTCTACAGCAACGGAGGGCATTCT
GGGAATGCCAGTGGCGGTGGCGGGGGCGGTGGTGGCTCCTCCGGCTATGGCTCCTAC
TACCAAGGTGACAACTACAACCTACCCGTGCCCCAAAACACGCTGGGAAGAAGCAGCCG
CACGGGGCCAGCAGAAGCCCTCCTACGGCTCGGGCTACCAAGTCCACCCAGGGCCAGCAG
CAGTCCACAACCAAGAGCCCTACAGCAACTATGGCCCTCCACAGGGCAAGCAGAAAGGC
TATAACCATGGACAAGGCAGCTACTCCTACTCGAACTCCTACAACCTCCTCCGGGGCGGG
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GGCGGGAACAGCTACGGCTCAGGCGGGGATCCTACAACCCAGGGTACACGGGGGCTAC
GGCGGAGGTTCTGGGGCGGCTCCTCATACCAAGGCAACAAGGAGGCTACTCACAGTCCG
AACTACAACCTCCCGGGTCCGGCCAGAAGTACAGTGGCCCTCCAGCTCCTACCAGTCC
TCACAAGGCGGCTATGGCAGAAACGCAGACCACAGCATGAACTACCAGTACAGA

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Restriction Sites: Please inquire

ACCN: NM_017620

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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 Size:	6135 bp
RefSeq ORF:	2697 bp
Locus ID:	3609
UniProt ID:	Q12906
Cytogenetics:	19p13.2
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) represents the longest transcript and encodes the longest isoform (d).</p>