

Product datasheet for **SC325293**

ILF3 (NM_001137673) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ILF3 (NM_001137673) 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
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC325293 sequence for NM_001137673 edited (data generated by NextGen Sequencing)

```

ATGCGTCCAATGCGAATTTTTGTGAATGATGACCGCCATGTGATGGCAAAGCATTCTTCGTTTTATCCAA
CACAAGAGGAGCTGGAGGCAGTCCAGAACATGGTGTCCACACGGAGCGGGCGCTCAAAGCTGTGTCCGA
CTGGATAGACGAGCAGGAAAAGGTAGCAGCGAGCAGGACAGTCCGATAACATGGATGTGCCCCAGAG
GACGACAGTAAAGAAGGGGCTGGGGAACAGAAGACGGAGCACATGACCAGAACCCCTGCGGGGAGTGATGC
GGTGGGCTGGTGGCAAAGGGCTCCTACTCAAGGGGACTTGGATCTGGAGCTGGTGTGCTGTGTAA
GGAGAAGCCACAACCGCCCTCTGGACAAGGTGGCCGACAACCTGGCCATCCAGCTTGCTGCTGTAAACA
GAAGACAAGTACGAAATACTGCAATCTGTGCGAGATGCTGCGATTGTGATAAAAAACAAAAAGAGCCTC
CATTGTCCCTGACCATCCACCTGACATCCCCTGTTGTGACAGAGAAGAAATGGAGAAAGTATTAGCTGGAGA
AACGCTATCAGTCAACGACCCCCGGACGTTCTGGACAGGCAGAAATGCCTTGCTGCCTTGGCGTCCCTC
CGACACGCCAAGTGGTTCAGGCCAGAGCCAACGGGCTGAAGTCTTGTGCTATTGTGATCCGGGTCTTGA
GGGACCTGTGCACTCGCGTGCCACCTGGGGTCCCTCCGAGGCTGGCCTCTCGAGCTCCTGTGTGAGAA
ATCCATTGGCACGGCCAACAGACCGATGGGTGCTGGCGAGGCCCTGCGGAGAGTGCTGGAGTGCCTGGCG
TCGGGCATCGTGATGCCAGATGGTTCTGGCATTATGACCCTTGTGAAAAAGAAGCCACTGATGCTATTG
GGCATCTAGACAGACAGCAACGGGAAGATATCACACAGAGTGCAGCAGCAGCACTGCGGCTCGCTGCCTT
CGGCCAGCTCCATAAAGTCTAGGCATGGACCCTCTGCCTTCCAAGATGCCCAAGAAACCAAGAATGAA
AACCCAGTGGACTACACCGTTAGATCCACCAAGCACCACCTATGCCATTACGCCCATGAAACGCCCAA
TGGAGGAGGACGGGGAGGAGAAGTCGCCAGCAAAAAGAAGAAGATTAGAAGAAAGAGGAGAAGGC
AGAGCCCCCAGGCTATGAATGCCCTGATGCGGTTGAACCAGCTGAAGCCAGGGTGCAGTACAAGCTG
GTGTCCCAGACTGGGCCGTCATGCCCCATCTTACCATGTCTGTGGAGTTGATGGCAATTCATTG
AGGCCTCTGGCCCTCCAAAAGACGGCCAAGCTGCACGTGGCCGTTAAGGTGTTACAGGACATGGGCTT
GCCGACGGGTGCTGAAGGCAGGGACTCGAGCAAGGGGGAGGACTCGGCTGAGGAGACCGAGGCGAAGCCA
GCAGTGGTGGCCCTGCCCCAGTGGTAGAAGCTGTCTCCACCCTAGTGCAGGCTTTCCCTCAGATGCCA
CTGCCGAGAACGTAAAACAGCAGGGGCCGATCCTGACAAAGCAGGCAAGAACCAGTCATGGAGCTGAA
CGAGAAGAGGCGTGGGCTCAAGTACGAGCTCATCTCCGAGACCGGGGACGCCACGACAAGCGCTTCGTC
ATGGAGGTCGAAGTGGATGGACAGAAGTCCAAGGTGCTGGTTCCAACAAAAGGTGGCGAAGGCCTACG
CTGCTCTTGTGCTGCCCTAGAAAAGCTTTCCCTGACACCCCTCTCGCCCTTGATGCCAACAAAAGAAGAG
AGCCCCAGTACCGCTCAGAGGGGACCGAAATTTGCTGCTAAGCCACATAACCCTGGCTTCGGCATGGGA
GGCCCCATGCACAACGAAGTGCCCCACCCCCAACCTTCGAGGGCGGGGAAGAGCGGGGAGCATCCGGG
GACGAGGGCGCGGGCAGGATTTGGTGGCGCAACCATGGAGGCTACATGAATGCCGGTGTGGGTATGG
AAGCTATGGGTACGGAGGCAACTCTGCGACAGCAGGCTACAGTGACTTTTTACAGACTGCTACGGCTAT
CATGATTTGGGTCTTCCTAG
    
```

Clone variation with respect to NM_001137673.1
2055:t=>g

Restriction Sites: Please inquire

ACCN: NM_001137673

Insert Size: 2700 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).

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001137673.1.

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:	<u>NM_001137673.1, NP_001131145.1</u>
RefSeq Size:	3757 bp
RefSeq ORF:	2121 bp
Locus ID:	3609
UniProt ID:	<u>Q12906</u>
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 (5) differs in the 3' UTR and coding region compared to variant 4. The resulting isoform (e) has a distinct C-terminus compared to isoform d.</p>