

Product datasheet for **SC213912**

ILF3 (NM_004516) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ILF3 (NM_004516) Human 3' UTR Clone
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:	pMirTarget (PS100062)
ACCN:	NM_004516
Insert Size:	1330 bp



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Insert Sequence: >SC213912 3'UTR clone of NM_004516
 The sequence shown below is from the reference sequence of NM_004516. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TACGGCTATCATGATTTTGGGTCTTCCTAGAGCGTCTAAAAGTATTGCACACAAAATCAACTTTTTACT
CCAATTTCTCCAACCTCAAAAACCCAAAAGTGTCGGTGTGTCCCTGTGCTTCACTGGGTTTCTCAAC
CGTGGCTTTTACCGCAGCTTGTCTGAACTCTTAGCCTGCAGAAATTAAGACAATGGCAGTTTTTATC
GTGATTTGCCTTTGAACCTTGTGCTATTGAAGTTCACAATAAGTGGAAAACAATTTTTTTCAGAGAATGT
ATTTTTGTGCAGAATTGCACAGAATTCTAGAGACAGCGTTGTTCCGGCATCAAGGCCAAAAGCCACCTTT
GCTTTTTATGGAAAGCATTACTTTATTTAAAGAGACAGACAATGACGCATTTTAACTACCTTTGTCTT
AATTTACAGCAGGTTTTGTATGAATTTTAACTTTTAAACAACTCCCAAATCTGGTTGATGCCTTTGA
CAGTGATGAAAACGATTTACCACATCTGAATCCAGAGAAACCGGCTTTTTTTCTTATTGCGAGCATGT
TAAAACGTTGGGAACATGTGGGAATTGTATATTGCGCTGAATTAACCTTCCCGCCTCTTGTAAATGCT
CTGGTGGGTTCTTGTGGGAATGCGATATTTGTGGCTGGTTTAGCTAGAGAGTGAACCTCTCAAAGGT
ATCAAACCTGTGCTTCCATTATTAGTGCAAGAAACAGACAGGCTTTAAGGGGTAGATGACGTGAAATTT
TGCAAGTCTTAATTACAGCTGCAGATGCATGGGATTCTGGATTTTTTGTGCTTTTAGTTAATGGG
ACTTTAAAAGTAATTGAGGAGAAAAGAACCGTGATGTTCCCTGTTTCTCCAGTAAAGGACTGGCTTTTGC
TTGGGCAGAGGTGGTGTCTGCTGGGTGTGCAGCTGCCACAGACTCCAAAGGCGTAGAAGTTTGTGCCAAC
ACACGGAGTCATTCTGGCTCTCTGCTGAGGCCCTGTTTTCTGGCAGGTGCCCTCCTTGGAACTGGTT
TTGGCTCTGATCAGCGGTTCTTTTTGCAGCAAAGCCTGCATCTGTGTTGACTTGAAGATTTTGGCTTT
ATTCAGGCAAAACCTGGTCAAAATGGTTACTACATGATTTGTTCCAGAGGTTTGAAACATTCAGTGAA
ACTTTTTAAAACCTTGATTGCATGATGATTTTTTTTTTAAAGTTATTGTTGAGAATAATGTCTTT
TTATACCAGGAAAATAGTTATCCTGAATGACGTTGAAAACCTCCCTCCCTTTATTTTTTTAATCA
ATACATGTGAAAGTAACAA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_004516.4](#)

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]

Locus ID:

3609

MW:

50.7