

Product datasheet for **SC309603**

ILF1 (FOXK2) (NM_004514) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ILF1 (FOXK2) (NM_004514) Human Untagged Clone
Tag:	Tag Free
Symbol:	ILF1
Synonyms:	ILF; ILF-1; ILF1; nGTBP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_004514 edited
ATGGCGGCGGCCGCGGCGGCTCTCGGGCGCGGGCACGCCACCCGCGGGCGGGGGCC
GGGGGGCGGGGCCGGGGGGCGGGTCCCCGCGGGCGGTGGGCCGTGGCGGCCTG
GAGGGCCGCGAGTTTCGAGTATCTGATGAAGAAGCGCTCGGTGACCATCGGCCGAACTCG
TCGCAGGGCTCGGTGGACGTGAGCATGGGCCACTCGAGCTTTCATCTCCGCGCCACCTC
GAGATCTTACGCCCCCGGGCGGGCGGCCATGGCGGGCCGCTCCGGAGCTGCCGCC
GGCAGCCAGGCCGACGCCGGCGGCGACTTCTACCTGCGCTGCTTGGGCAAGAACGGG
GTATTCGTGGACGGCGTGTCCAGAGGGCGGGGCGCCGCGCTGCAGCTGCCGCGGTG
TGCACATTTCAGGTTCCCGAGCACAAACATCAAGATAACGTTCACTGCCCTGTCCAGCGAG
AAGAGAGAGAAGCAGGAGGCGTCTGAGTCTCCAGTGAAGGCCGTACAGCCACACATCTCG
CCCCTGACCATCAACATTCAGACACCATGGCCACCTCATCAGCCCTCTGCCCTCCCC
ACGGGAACCATCAGCGTGCAACTCCTGCCCTCCAGCCCCGGGGAGCGGGTCTTCA
GGGTACAAGTGGCCGAGTGATGCCATCTGACCTCAATTAATGGGTGACAACTCACAG
CCTGAAAATGAAAAGGAAGTTCAGGTGGAGACAGCCGAAGGATGATTCAAAGCCGCT
TACTCCTACGCGCAGCTGATAGTTCAGGGGATTACGATGGCTCCCGACAAACAGCTCACC
CTGAACGGGATTTATACACACATCACTAAAAATTATCCCTACTACAGGACTGCGGACAAG
GGTGGCAGAATTCATTCGCCCAATCTCTCTGAATCGTTATTTTCATCAAAGTGCCG
CGTTCCAGGAAGAACCAGGCAAAGGCTCGTTCTGGAGGATAGACCCAGCCTCTGAAAGC
AAATTAATAGAACAGGCTTTTAGGAAACGACGGCTAGGGGCGTGCCTGCTTTAGAAC
CCTCTGGGACCGCTCTTCTTAGGAGTGCCCCAGCCTCTCCCAATCACGCGGGAGTGCTG
TCTGCTCACTCTAGTGGCGCCAGACCCCTGAGAGCCTGTCGAGGGAAGGTTCCGCCGCC
CCCCTGGAGCCTGAGCCTGGCGCTGCACAGCCAACTCGCTGTCATCCAGGAAGCCCGG
TTTCCCCAGAGGCCCCAGGGTCACTCTGTCCAGTCAGCCAGTCTTAATCACCGTCCAG
CGGCAGTACCACAGGCCATCAAGCCTGTACCTACACTGTGGCCACCCAGTGACCACC
TCGACCTCCCAGCCACCCGTCGTGCAGACGGTTCACGTGTCACCAGATCCCAGCGGTG
TCGGTCACCAGTGTGGCCGACTGGCCCCAGCGAACACGTACACTGTCTCTGGACAAGCT
GTGGTCACCCCGGAGCCGTGCTGGCCCTCCTAAGGCAGAGGCCAGGAGAATGGAGAC
CACAGGGAAGTCAAAGTAAAAGTAGAGCCTATTCCCGCCATTGGCCACGCCACGCTCGGC
ACTGCCAGCCGGATCATTAGACGGCACAGACCACCCGGTCCAGACGGTGACCATAGTA
CAACAGGCACCTTAGGTCAACACCAGTACCAATAAAAACTGTAACACAAAACGGCACT
CACGTGGCATCAGTCCCCACTGCGGTCCACGGCCAGGTGAACAATGCCGCGGCGAGTCTT
TTGCACATGTTGGCAACACACGCATCCGCATCGGCCTCCCTGCCACAAAAGCGCCACAAC
GGTGACCAGCCGGAGCAGCCGGAGCTGAAGCGGATCAAGACAGAAGACGGCGAGGGCATC
GTCATTGCCCTGAGCGTGGACACGCCACCCGCGAGCCGTAAGGGAAAAGGGTGTCCAGAAC
TAG
    
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5' Read Nucleotide Sequence:	<p>>Reverse primer walk for NM_004514 unedited</p> <pre> ACTCACATACTCGGCCACCTTGTACCCTGAGACCCCGCTCCCCGGGGGCTGGAGGGGCAG GAGTTTGCAGCGCTGATGGTTCCCGTGGGGGAGGGCAGAGGGCTGATGAGGTGGGCCATG GTGTCTGGAATGTTGATGGTCAGGGGCGAGATGTGTGGCTGTACGGCCTTCACTGGAGAC TCAGACGCCTCCTGCTTCTCTCTTCTCGCTGGACAGGGCAGTGAACGTTATCTTGATG TTTGTGCTCGGGAACCTGAATGTGCACACGCGCGCAGCTGCAGCGGGCGGCCCGCCGCGC CTCTGGAACACGCGCTCCACGAATACCCCGTTCTTGCCCAAGCAGCGCAGGTAGAAGTCG CCGCCGGCGTCCGGCCTGGGCTGCGCGGGCGGCAGCTCCGGAGCGGCCCGCCATGGCCG CCGCCGCCGGGGCGTGAAGATCTCGAGGTGGCGCCGGGAGATGAAGCTCGAGTGGCCC ATGCTCACGTCCACCGAGCCCTGCGACGAGTTGCGGCCGATGGTCACCGAGCGCTTCTTC ATCAGATACTCGAACTCGCGGCCCTCCAGGCGCGCCACGGCCAGCCGCCCGGGGGGAC CCGCCGCCCGGCCCGCCGCCCGGCCCGGCCCGCGGGTGGCGTGCCCGCGCCC GAGAGCGCCGCCCGGCCCGCCATGGGCTGCGTGAGGGCCCCCGGGCGCTCCGCG CGGGCGCGGTGGCGGGGCCAGGCCAGGCCGCGGGTCTGTCGGCCCGCGCACCG GAGCTGAGGGAGGGGCCGAGCCGAGGCCGCGCGCCGGCGAGCGAGCGAGCGCCTCGTG CCGATTCGCGGCCGCTGCAAAAGAACAGTAGCTTGTATTCTATAGTGTACCTAATGAGC TCTTGCTTATATAGACCTCCACCGT </pre>
3' Read Nucleotide Sequence:	<p>>Forward primer walk for NM_004514 unedited</p> <pre> CCACCCTGCGTTGCGCGCGGTGCCGTGGCCCCGGAGGTCCTAGGCTCGACTTGTATTT GTGTGGCCGGTCTGGCCCTTCGAACGCGTACACTGTCTATGGGGAACCTGTGGGACCCC GGCGGCCGTGCTGGCCCTCCTAAGGCAGAGGCCATGAGAAGGGACACCTCAGGGAAGT CAGAGTAAAAGTACAGCCTATTTCCGCCATTGGCCACGCCACGCTCGGCACTGCCAGCCG GATCATTGACACGGCGCAGACCACCCCGTCCAGACGGTGACCATAGTACAACAGGCACC TGTAGGTCAACACCAGCTACCAATAAAAAGTGAACACAAAACGGCACTCACGTGGCATC AGTCCCCACTGCGGTCCACGGCCAGGTGAACAATGCCGCGCGAGTCTTTGCACATGTT GGCAACACACGCATCCGCATCGGCCTCCCTGCCACAAAAGCGCCACAACGGTGACCACCC GGAGCAGCCGGAGCTGAAGCGGATCAAGACAGAAGACAGCGAGGGCATCGTCATTGCCCT GAGCGTGGACACGCCACCGGCAGCCGTAAGGGAAAAGGGTGTCCAGAAGTACGCACCGGG AGAGCTTTTCTTAACGATATCAACTCTGTGGTGCCAAAAGGAGACGCGGCCCTCCCGCCA GCACTCGGGGGTGCAGGGCCCTGTGGTTGGAAGTTCACCTCTCAGCACTGAAAACCCAAAA CCCAGCTGGCCTTAACACTCCTTAAGACAGAAGTACACTTGAACAAAACCCACACACA ACAAAACCTGATTTGGGAGACGGTGTCTCACTGAGCACCTGCTGGGCTGAGCTTCTACCT ACAGTGAAGTCTGTCTGCCGCGAGGACCAGCATCGCTGTGTGAGACGCACGGCCAGCGCC TGCTGTTGAGTGGCTCTCCTAAGAACTAGGCCCTCA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_004514
Insert Size:	5000 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 open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_004514.3 , NP_004505.2
RefSeq Size:	5262 bp
RefSeq ORF:	1983 bp
Locus ID:	3607
UniProt ID:	Q01167
Cytogenetics:	17q25.3
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>The protein encoded by this gene contains a fork head DNA binding domain. This protein can bind to the purine-rich motifs of the HIV long terminal repeat (LTR), and to the similar purine-rich motif in the interleukin 2 (IL2) promoter. It may be involved in the regulation of viral and cellular promoter elements. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>