

## Product datasheet for **SC128084**

### E74 like factor 1 (ELF1) (NM\_172373) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	E74 like factor 1 (ELF1) (NM_172373) Human Untagged Clone
Tag:	Tag Free
Symbol:	E74 like factor 1
Synonyms:	EFTUD1; RIA1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC128084 sequence for NM\_172373 edited (data generated by NextGen Sequencing)

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ATGGCTGCTGTTGTCCAACAGAACGACCTAGTATTTGAATTTGCTAGTAACGTCATGGAG
GATGAACGACAGCTTGGTGATCCAGCTATTTTTCTGCCGTAATTGTGGAACATGTTCT
GGTGCTGATATTCTCAATAGTTATGCCGGTCTAGCCTGTGTGGAAGAGCCCAATGACATG
ATTACTGAGAGTTCACTGGATGTTGCTGAAGAAGAAATCATAGACGATGATGATGAC
ATCACCCTTACAGTTGAAGCTTCTTGTCATGACGGGGATGAAACAATTGAAACTATTGAG
GCTGCTGAGGCACTCCTCAATATGGATTCCCCTGGCCCTATGCTGGATGAAAAACGAATA
AATAATAATATATTTAGTTCACCTGAAGATGACATGGTTGTTGCCCCAGTCACCCATGTG
TCCGTCACATTAGATGGGATTCCTGAAAGTGATGGAAACACAGCAGGTGCAAGAAAAATAT
GCAGACTCACGGGAGCCTCATCACCAGAACAGCCTAAGAGGAAAAAGGAAAGAAAACT
AAACCACCAGCAGATTCCCCAGCCACTACGCCAAATATATCTGTGAAGAAGAAAAAC
AAAGATGGAAGGAAACACAATTTATCTTTGGGAGTTTTACTGGCACTGCTCCAGGAC
AAGGCTACTTGTCTAAATACATCAAGTGGACCCAGCGAGAGAAAGGCATTTTTAAATTG
GTGGATTCTAAAGCAGTGTCCAGGTTGTGGGGAAAGCACAAAAACAACTGATATGAAT
TATGAGACCATGGGAAGAGCACTCAGGTAATACCAAAGGGTATTCTGGCAAAAGTG
GAAGGTACAGCGCTTGGTGTATCAGTTTAAAGAAATGCCAAAAGATCTTATATATATAAT
GATGAGGATCCAAGTTCAGCATAGAGTCTTCCAGATCCATCGCTATCTTATCAGCCACT
TCAAATAGGAATCAAACCAGCCGGTCGAGAGTATCTTCAAGTCCAGGGTAAAAGGAGGA
GCCACTACAGTTCTAAAACCAGGGAATTCTAAAGCTGCAAAACCCAAAGATCCTGTGGAA
GTTGCACAACCATCAGAAGTTTTGAGGACAGTGCAGCCACGCAGTCTCCATATCCTACC
CAGCTCTCCGGACTGTTTCATGTAGTACAGCCAGTACAGGCTGTCCAGAGGGAGAAGCA
GCTAGAACCAGTACCATGCAGGATGAAACATTAATTTCCGTTCCAGAGTATTAGGACT
ATACAGGCTCCAACCCAAGTTCAGTGGTTGTGTCTCCTAGGAATCAGCAGTTGCATACA
GTAACACTCCAACAGTGCCACTCACAACAGTTATAGCCAGCACAGATCCATCAGCAGGT
ACTGGATCTCAGAAGTTTATTTACAAGCCATTCCATCATCACAGCCCATGACAGTACTG
AAAGAAAATGTCATGCTGCAGTCACAAAAGGCGGGCTCTCCTCCTCAATTGTCTTGGGC
CCTGCCAGGTTCCAGCAGGTCCTTACTAGCAATGTTCCAGACATTTGCAATGGAACCGTC
AGTGTGGCTTCTCCTCCTCCTCAGTGTACTGCACCTGTGGTGACCTTTTCTCCTCGC
AGTTCACAGCTGGTTGCTCACCCACCTGGCACTGTAATCACTTCCAGTTATCAAACTCAA
GAAACAAAACTTTACACAGGAAGTAGAGAAAAAGGAATCTGAAGATCATTTGAAAGAG
AACACTGAGAAAACGGAGCAGCAGCCACAGCCTTATGTGATGGTAGTGTCCAGTTCCAAT
GGATTTACTTCTCAGGTAGCTATGAAACAAAACGAACTGCTGGAACCAACTCTTTTTAG
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Clone variation with respect to NM\_172373.3

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_172373 unedited</p> <pre> CCCCCCATTCCCCGCCGACGACGCTTTGGCGGTAGGCGTGTACGGTGGGAGGTCTA TATAAGCAGTACTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGC GGCCGCGAATTGGCAGGAGGTATCAATGGAACCTAGGAAAACCTGAAGCACCTTCCCTAAA GAAAACCTGGGTATACAATTACTCCACAGACAGAGCTGAGGGTTTTTACCCAAATCAGT CACTGGATTTTGTGCTGCCTGATACGTGAATCTTCTTGAATTTTTCTCATGTGGATCTAAG GGGAATGCTTTTATTATGGCTGCTGTTGTCCAACAGAACGACCTAGTATTTGAATTTGCTA GTAACGTCATGGAGGATGAACGACAGCTTGGTGATCCAGCTATTTTTCTGCCGTAATTG TGGAACATGTTCTGGTCTGATATTCTCAATAGTTATGCCGGTCTAGCCTGTGTGGAAG AGCCCAATGACATGATTACTGAGAGTTCCTGGATGTTGCTGAAGAAGAAATCATAGACG ATGATGATGATGACATCACCTTACAGTTGAAGCTTCTTGTGATGACGGGGATGAAACAA TTGAAACTATTGAGGCTGCTGAGGCACTCCTCAATATGGATTCCCCTGGCCCTATGCTGG ATGAAAAACGAATAAATAATAATATATTTAGTTACCTGAAGAGACATGGTTGTTGCCCC AGTCCCCATGTGTCGGTCCATTAGATGGATTCTGAAGTATGGAACACAGCAGTGCTA GAAATATGCAGACTACCGGGAGCCTCATACCAAACAGCCTATGAGTAANAGGTAGTAGA ACTAAACCCCGACCAGATTCTCGCCACTCGCCAATATATCTGTGAAGAAGAAAACCG AGGAAG </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_172373 unedited</p> <pre> CTANGATCGAGTTTTTTTTTTTTTTTTTTGAATTTTTATATGATTTATTTAATAATAAA CCAATTAAGATACAAAAATGTTTAGAGGATTCCAAAATTTAAATTTTTGTTTAAATACA AATTCACCTCTGTAATATGAAAACATAGCATTAGACCTCTAAACATAATGATTTTTTTCAT CTACAAAATTTCTGTTATACTAGAAAATTTGCAGAAGACATTTTTTCTTGTGACATTA AATGTACATTATTTACAGTTGAAAAAGTAACTAAAAACATTTTCATTTACAGAAAGTTGGA TATATATGTTATCTTTGTATGCAACCCCCCAAGTCCGCCCCAGTAAAAAATGATCCA AAATATAAAGCAATTATGCTTTTATAACTGACTACTCAGCCAGATTAGCCCAAGGCTCAA GTTGCTTTCTTGGCCCTAAGAAAGAGTCTTGACTCTCTCAAAATAGCAGTATTCTGTTT AGCACTTANGCACACANGTTTACTAATGGACCGCANAGCACAGTGGCCTAAAGAGTTAGT AAACAAATTTAANGAAGAATTTATGNCAGATCTTACCCATAACAGATGAANTAAAT TTTGTGGGTCACCTAATCTCTGNCACATTTTAGCTATTCTACATTANGAANATACCCT GATNATGATTTAATTGACACTACCTGAAAATATANGTATTTAGAATTAATAAATAANAAC TAGNAGAGAAAAGTGGTGATCATCTAGTCTAATCCATACATCTNCTTCTTTTATGAGAGGA ACTAAAGCCCAAGGAGTCAAGAATACNTAGCTAGNTAGTGGGAGTGGCCATTCTAAGC TGATGCTT </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_172373
<b>Insert Size:</b>	4000 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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:**

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\\_172373.2](#), [NP\\_758961.1](#)

**RefSeq Size:** 3499 bp

**RefSeq ORF:** 1860 bp

**Locus ID:** 1997

**UniProt ID:** [P32519](#)

**Cytogenetics:** 13q14.11

**Protein Families:** Transcription Factors

**Gene Summary:** This gene encodes an E26 transformation-specific related transcription factor. The encoded protein is primarily expressed in lymphoid cells and acts as both an enhancer and a repressor to regulate transcription of various genes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2009]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).