

## Product datasheet for **SC324684**

### 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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_172373.2  
 GCCAAGAAGCTTGAGAGAAGAAAAATTTTCAGAAAAATTGTCTCAATTTGACTAGAAATATC  
 AATGAACCAGGAAAACTGAAGCACCTTCCCTAAAGAAAACTTGGGTATACAATTACTCCA  
 CAGACAGAGCTGAGGGTTTTTTACCCAAATCAGTCACTGGATTTTCTGCCTGATACGTC  
 AATCTTCTTGGAAATTTTCTCATGTGGATCTAAGGGGAATGCTTTATTATGGCTGCTGTT  
 GTCCAACAGAACGACCTAGTATTTGAATTTGCTAGTAACGTCATGGAGGATGAACGACAG  
 CTTGGTGATCCAGCTATTTTCTGCCGTAATTGTGGAACATGTTCTGGTGCTGATATT  
 CTCAATAGTTATGCCGTCTAGCCTGTGTGGAAGAGCCCAATGACATGATTACTGAGAGT  
 TCACTGGATGTTGCTGAAGAAGAAATCATAGACGATGATGATGATGACATCACCTTACA  
 GTTGAAGCTTCTTGTGATGACGGGGATGAAACAATTGAAACTATTGAGGCTGCTGAGGCA  
 CTCCTCAATATGGATTCCCTGGCCCTATGCTGGATGAAAAACGAATAAATAATAATATA  
 TTTAGTTCACCTGAAGATGACATGGTTGTTGCCCCAGTCACCCATGTGTCCGTCACATTA  
 GATGGGATTCCTGAAGTGATGGAACACAGCAGGTGCAAGAAAAATATGCAGACTCACCG  
 GGAGCCTCATACCAGAACAGCCTAAGAGGAAAAAGGAAGAAAACTAAACCACCACGA  
 CCAGATTTCCAGCCACTACGCCAAATATATCTGTGAAGAAGAAAAACAAGATGGAAAG  
 GGAAACACAATTTATCTTTGGGAGTTTTACTGGCACTGCTCCAGGACAAGGCTACTTGT  
 CCTAAATACATCAAGTGGACCCAGCGAGAGAAAGGCATTTTTAAATTGGTGGATTCTAAA  
 GCAGTGTCCAGGTTGTGGGGGAAGCACAAAAACAACCTGATATGAATTATGAGACCATG  
 GGAAGAGCACTCAGGTAATTAACCAAAGGGTATTCTGGCAAAAGTGAAGGTCAGCGC  
 TTGGTGTATCAGTTTAAAGAAATGCCAAAAGATCTTATATATAAATGATGAGGATCCA  
 AGTTCCAGCATAGAGTCTTCAGATCCATCACTATCTTCATCAGCCACTTCAAATAGGAAT  
 CAAACCAGCCGTCGAGAGTATCTTCAAGTCCAGGGGTAAGGAGGAGCCACTACAGTT  
 CTAAAACCAGGGAATTTAAAGCTGCAAAACCAAGATCCTGTGGAAGTTGCACAACCA  
 TCAGAAGTTTTGAGGACAGTGCAGCCACGCAGTCTCCATATCTACCCAGCTCTCCGG  
 ACTGTTTATGTAGTACAGCCAGTACAGGCTGTCCAGAGGGAGAAGCAGCTAGAACCAGT  
 ACCATGCAGGATGAAACATTAATTTCTCCGTTCCAGATATTAGGACTATACAGGCTCCA  
 ACCAAGTTCAGTGTTGTGTCTCCTAGGAATCAGCAGTTGCATACAGTAACACTCCAA



[View online »](#)

```

ACAGTGCCACTCACAAACAGTTATAGCCAGCACAGATCCATCAGCAGGTAAGTGGATCTCAG
AAGTTTATTTTACAAGCCATTCCATCATCACAGCCATGACAGTACTGAAAGAAAATGTC
ATGCTGCAGTCACAAAAGGCGGGCTCTCCTCCTTCAATTGTCTTGGGCCCTGCCAGGTT
CAGCAGGTCCCTTAGCAATGTTTACAGACCATTGCAATGGAACCGTCAGTGTGGCTTCC
TCTCCATCCTTCAAGTGTACTGCACCTGTGGTGACCTTTTCTCCTCGAGTTCACAGCTG
GTTGCTCACCCACCTGGCACTGTAATCACTTCAAGTATCAAAAACCAAGAAAACAAAAC
CTTACACAGGAAGTAGAGAAAAGGAATCTGAAGATCATTGAAAGAGAACACTGAGAAA
ACGGAGCAGCAGCCACAGCCTTATGTGATGGTAGTGCCAGTTCCAATGGATTTACTTCT
CAGGTAGCTATGAAACAAAACGAAGTGTGGAACCAACTCTTTTGTAAATATACCAA
AGCTTATGAATAATTGTTTGTAAATGAACATTTTCAATTATATGCAGACTGACTGATTC
TAAGATAAATTCTAAGGAGGTTTCTAATTTTGTAAATGTTAAAAATAGAGTTAATTTTGA
CTTTGTTAGTAGAGGGAGGAAAACCAACTGTTTCTTTGTTATCTAAATGTTTCAGAA
TTCAATCGTGAAGGAACAGGCATTTTACACTATGAAGACATTTTGTAGATTTTATTT
CAGTTGCTATATCATAAGCATTTTTAAAGTTTCTTTTCAATTTTACATTGTATTAGATT
TTCTGATTTCTTTGTAATACAGAACTTAAATAGAAGGCAACAGGAAATTTATATAGGAA
CTATTTTCACTTGTGTAAGTTAAGTCTTACTCTTTCAAATGCAAAAACCTATT
TTATGCTTTGTTAAAATTATGGTGTCACTTAGATTGACTTTAGTTGACTGCACTATATAA
TATAGAATATGAATATGTAGAATAACATGAAAAATTGGAGGTGCTGGTGGTATGGCTGA
CCCTGTTTCAGAAAGCAGGATAGTATAAAAGCATCAGCCTAAGAATGGCACTCCCACTAAC
TAGCTATGTAATCTTGACCTCTTTGGGCTTTAGTTCCTCTCATAAAAGGAAGAGATGTAT
TGGATTAGACTAGATTATCACCCTTTCTTCTAGTTCTAATTTTTTAATTCTAATAC
CTAATTTTCAAGTTATGTCAATTAATCATTATCAGGTTATTTCTAATGTAAGAATAG
CTAAAATGTTGCAGAGAAAATAAGTGACCCAACAAAATTTTATTCATCTGTTATGGGTAAGA
CTGCCATAAATTTCTTAAATAATTTGTTTACTAACTTTTAGGCCACTGTGCTTTGTC
GGTCCATTAGTAACTTGTGTTGCTAAGTGCTAAACAGAATACTGCTATTTTGAGAGAGT
CAAGACTCTTTCTAAGGGCCAAGAAAAGCAACTTGAGCCTTGGGCTAATCTGGCTGAGTA
GTCAGTTATAAAAGCATAATTGCTTTATATTTGGATCATTTTTTACTGGGGCGGACTT
GGGGGGGGTGCATACAAAGATAACATATATCAACTTTCTGAAATGAAATGTTTTTA
GATTACTTTTTCAACTGTAATAATGTACATTTAATGTCACAAGAAAAAATGCTTCTG
CAAATTTTCTAGTATAACAGAAATTTTGTAGATGAAAAAATCATTATGTTTAGAGGTC
TAATGCTATGTTTTCATATTACAGAGTGAATTTGTATTTAAACAAAATTTAAATTTTGG
AATCCTCTAAACATTTTTGTATCTTAAATGGTTTATTATAAATAAATCATATAAAAAT
TCTCAAAAAAAAAAAAAA

```

- Restriction Sites:** Please inquire
- ACCN:** NM\_172373
- 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:**

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).