

Product datasheet for **RG226778**

E74 like factor 1 (ELF1) (NM_001145353) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E74 like factor 1 (ELF1) (NM_001145353) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	E74 like factor 1
Synonyms:	EFTUD1; RIA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG226778 representing NM_001145353
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGCTGTTGTCCAACAGAACGACCTAGTATTTGAATTTGCTAGTAACGTCATGGAGGATGAACGAC
 AGCTTGGTGATCCAGCTATTTTTCTGCCGTAATTGTGGAACATGTTCTGGTGCTGATATTCTCAATAG
 TTATGCCGGTCTAGCCTGTGTGGAAGAGCCCAATGACATGATTACTGAGAGTTCACTGGATGTTGCTGAA
 GAAGAAATCATAGACGATGATGATGACATCACCCCTTACAGTTGAAGCTTCTTGTGATGACGGGGATG
 AAACAATTGAAACTATTGAGGCTGCTGAGGCACTCCTCAATATGGATTCCCCTGGCCCTATGCTGGATGA
 AAAACGAATAAATGGGATTCCTGAAGTGTGGAACACAGCAGGTGCAAGAAAAATGCAGACTCACCG
 GGAGCCTCATCACCAGAACAGCCTAAGAGGAAAAAGGAAGAAAACTAAACCACCAGCAGATTCCC
 CAGCCACTACGCCAAATATATCTGTGAAGAAGAAAAACAAGATGAAAGGGAAACACAATTTATCTTTG
 GGAGTTTTACTGGCACTGCTCCAGGACAAGGCTACTTGTCTAAATACATCAAGTGGACCCAGCGAGAG
 AAAGGCATTTTTAAATTGGTGGATTCTAAAGCAGTGTCCAGTTGTGGGGGAAGCACAAAAACAACTG
 ATATGAATTATGAGACCATGGGAAGAGCACTCAGTACTATTACCAAAGGGTATTCTGGCAAAAGTGGGA
 AGGTACAGCGCTTGGTGTATCAGTTTAAAGAAATGCCAAAAGATCTTATATATAAATGATGAGGATCCA
 AGTTCAGCATAGAGTCTTCAGATCCATCGCTATCTTCATCAGCCACTTCAAATAGGAATCAAACCAGCC
 GGTGAGAGTATCTTCAAGTCCAGGGTAAAAGGAGGAGCCACTACAGTTCTAAAACCAGGGAAATCTAA
 AGCTGCAAAACCAAAGATCCTGTGGAAGTGCACAACCATCAGAAGTTTGAGGACAGTGCAGCCACG
 CAGTCTCCATATCCTACCAGCTCTCCGACTGTTTATGTAGTACAGCCAGTACAGGCTGTCCAGAGG
 GAGAAGCAGCTAGAACCAGTACCATGAGGATGAAACATTAATTTCTCCGTTTCCAGATATTAGGACTAT
 ACAGGCTCCAACCAAGTTCCAGTGGTTGTCTCCTAGGAATCAGCAGTTGCATACAGTAACTCCAA
 ACAGTGCCACTCACAACAGTTATAGCCAGCACAGATCCATCAGCAGTACTGGATCTCAGAAGTTTATTT
 TACAAGCCATTCCATCATCACAGCCATGACAGTACTGAAAGAAAATGTCATGCTGCAGTCAAAAAGGC
 GGGCTCTCCTCTCAATTGTCTTGGGCCCTGCCAGGTTGAGCAGGTCCTTACTAGCAATGTTGAGACC
 ATTTGCAATGGAACCGTCAAGTGTGGTCTCTCCATCCTTCAAGTACTGCACCTGTGGTGACCTTTT
 CTCCTCGAGTTCACAGCTGGTGTCTCACCCACTGGCACTGTAATCACTTCAAGTATCAAACTCAAGA
 AACAAAACTCTTACACAGGAAGTAGAGAAAAAGGAATCTGAAGATCATTTGAAAGAGAACTGAGAAA
 ACGGAGCAGCAGCCACAGCCTTATGTGATGGTAGTGTCCAGTTCCAATGGATTTACTTCTCAGGTAGCTA
 TGAACAAAACGAACTGCTGGAACCAACTCTTTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG226778 representing NM_001145353
 Red=Cloning site Green=Tags(s)

MAAVVQQNDLVFEFASNVMEDERQLGDPAIFPAVIVEHVPADILNSYAGLACVEEPNDMITESSLDVAE
 EEIIDDDDDITLTVASCHDGETIETIEAAEALLNMDSPGPMLDEKRIPIPEVMETQQVQEKYADSP
 GASSPEQPKRKKGRKTKPPRDPSPATTPNISVKKKNKDGKNTIYLWFLALLQDKATCPKYIKWTQRE
 KGIFKLVDSKAVSRLWGHKHNKPDMMNYETMGRALRYYYQRGILAKVEGQRLVYQFKEMPKDLIYINDEDP
 SSSIESSDPSLSSATSNRNQTSRSRVSSSPGVKGGATVLPKPGNSKAAKPKDPVEVAQPSEVLRTVQPT
 QSPYPTQLFRTVHVVPVQAVPEGEAARTSTMQDETLNSSVQSIRTIQAPTQVPVVVSPRNQQLHTVTLQ
 TVPLTTVIASTDPSAGTGSQKFIHQAISSQPMTVLKENVMLQSQKAGSPPSIVLGAQVQVQLTSNVQT
 ICNGTVSVASSPSFSATAPVVTFSRSSLVAHPPGTVITSVIKTQETKLTQEVEKKESEDHLKENTEK
 TEQPPQPYVMVSSSNGFTSQVAMKQNELLEPNSF

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001145353

ORF Size: 1785 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001145353.1](#), [NP_001138825.1](#)

RefSeq Size: 3543 bp

RefSeq ORF: 1788 bp

Locus ID: 1997

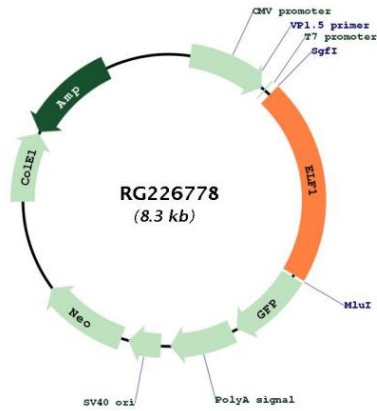
UniProt ID: [P32519](#)

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]

Product images:



Circular map for RG226778