

Product datasheet for **RG207140**

E74 like factor 1 (ELF1) (NM_172373) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E74 like factor 1 (ELF1) (NM_172373) 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)



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ORF Nucleotide Sequence:

>RG207140 representing NM_172373
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCTGTTGTCCAACAGAACGACCTAGTATTGAATTTGCTAGTAACGTCATGGAGGATGAACGAC
 AGCTTGGTGATCCAGCTATTTTTCTGCCGTAATTGTGGAACATGTTCTGGTGCTGATATTCTCAATAG
 TTATGCCGGTCTAGCCTGTGTGGAAGAGCCCAATGACATGATTACTGAGAGTTCACTGGATGTTGCTGAA
 GAAGAAATCATAGACGATGATGATGACATCACCCCTTACAGTTGAAGCTTCTTGTGATGACGGGGATG
 AAACAATTGAAACTATTGAGGCTGCTGAGGCACCTCAATATGGATTCCCCTGGCCCTATGCTGGATGA
 AAAACGAATAAATAATAATATTTAGTTCACCTGAAGATGACATGGTTGTTGCCCCAGTCACCCATGTG
 TCCGTCACATTAGATGGGATTCCTGAAGTATGGAACACAGCAGGTGCAAGAAAAATATGCAGACTCAC
 CGGAGGCCTCATACCAGAACAGCCTAAGAGGAAAAAGGAAGAAAAACTAAACCACCACGACCAGATTC
 CCCAGCCACTACGCCAAATATATCTGTGAAGAAGAAAAACAAGATGGAAGGGAACACAATTTATCTT
 TGGGAGTTTTACTGGCACTGCTCCAGGACAAGGCTACTTGTCCCTAAATACATCAAGTGGACCCAGCGAG
 AGAAAGGCATTTTTAAATTTGGTGGATTCTAAAGCAGTGTCCAGGTTGTGGGGGAAGCACAAAAACAACC
 TGATATGAATTATGAGACCATGGGAAGGACTCAGGACTATTACCAAAGGGTATTCTGGCAAAAGTG
 GAAGGTCAGCGCTTGGTGTATCAGTTTAAAGAAATGCCAAAAGATCTTATATATAAAATGATGAGGATC
 CAAGTTCAGCATAGAGTCTTCCAGTCCATCACTATCTTCATCAGCCACTTCAAATAGGAATCAAACCAG
 CCGGTCGAGAGTATCTTCAAGTCCAGGGGTAAGGAGGAGCCACTACAGTTCTAAAACCAGGGAATTC
 AAAGTGCAAAACCCAAAGATCCTGTGGAAGTGCACAACCATCAGAAGTTTTGAGGACAGTGCAGCCCA
 CGCAGTCTCCATATCCTACCCAGCTCTCCGGACTGTTTCATGTAGTACAGCCAGTACAGGCTGCCAGA
 GGGAGAAGCAGCTAGAACCAGTACCATGCAGGATGAAACATTAATTTCTCCGTTCCAGAGTATTAGGACT
 ATACAGGCTCCAACCAAGTCCAGTGGTTGTGTCTCCTAGGAATCAGCAGTTGCATACAGTAACACTCC
 AAACAGTGCCACTCACAACAGTTATAGCCAGCACAGATCCATCAGCAGGACTGGATCTCAGAAGTTTAT
 TTTACAAGCCATTCCATCATCACAGCCATGACAGTACTGAAAGAAAATGTCATGCTGCAGTCACAAAAG
 GCGGGCTCTCCTCTCAATTGTCTTGGGCCCTGCCAGGTTCAGCAGGCTCTTACTAGCAATGTTCAGA
 CCATTTGCAATGGAACCGTCAGTGTGGCTTCTCTCCATCCTTCAGTGTACTGCACCTGTGGTACCTT
 TTCTCCTCGCAGTTCACAGCTGGTTGCTCACCCACCTGGCACTGTAATCACTTCAGTTATCAAACTCAA
 GAAACAAAACCTTTACACAGGAAGTAGAGAAAAAGGAATCTGAAGATCATTTGAAAGAGAACACTGAGA
 AAACGGAGCAGCAGCCACAGCCTTATGTGATGGTAGTGTCCAGTTCCAATGGATTTACTTCTCAGGTAGC
 TATGAAACAAAACGAACCTGCTGGAACCAACTCTTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207140 representing NM_172373
 Red=Cloning site Green=Tags(s)

MAAVVQQNDLVFEFASNVMEDERQLGDPAIFPAVIVEHVPADILNSYAGLACVEEPNDMITESSLDVAE
 EEIIDDDDDITLVEASCHDGETIETIEAAEALLNMDSPGPMLDEKRINNNIFSSPEDDMVVAVPTHV
 SVTLDGIPVEMETQQVQEKYADSPGASSPEQPKRKKGRKTKPPRPDTPATPNISVKKKNKDGKNTIYL
 WEFLLALLQDKATCPKYIKWTQREKGFIFKLVDSKAVSRLWGHKHNKPDMMNYETMGRALRYYYQRGILAKV
 EGQRLVYQFKEMPKDLIYINDEPSSSIESSDPSLSSSATSNRNQTSRSRVSSSPGVKGGATTVLKPGNS
 KAAKPKDPVEVAQPSEVLRTVQPTQSPYPTQLFRTVHVVPVQAVPEGEAARTSTMQDETLNSSVQSIRT
 IQAPTQVPVVVSPRNQQLHTVTLQTVPLTTVIASTDPSAGTGSQKFILQAIQIPSSQPMVTLKENVMLQSQK
 AGSPSPVILGPAQVQVLTSNVQTCINGTVSVASSPSFSATAPVVTFSPRSSQLVAHPPGVTVITSVIKTQ
 ETKTLTQEVEKKESEDHLKENTEKTEQQQPYPYVMVSSSNGFTSQVAMKQNELLEPNFSF

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_172373

ORF Size: 1857 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_172373.2](#), [NP_758961.1](#)

RefSeq Size: 3499 bp

RefSeq ORF: 1860 bp

Locus ID: 1997

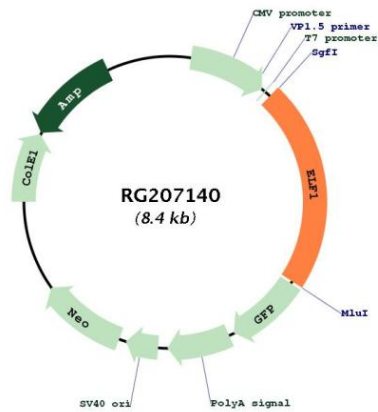
UniProt ID: [P32519](#)

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]

Product images:



Circular map for RG207140