

Product datasheet for **RG234346**

ELF2 (NM_001276458) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELF2 (NM_001276458) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ELF2
Synonyms:	b; EU32; NERF; NERF-1A; NERF-1a; NERF-1B; NERF-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234346 representing NM_001276458
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGAGCTCTCTGCATGAGGGACCCACGAACCAGCTGGATCTGCTCATCCGGCCGTGGAAGCATCAG
 TTCACAGCAGTAATGCACACTGTACAGATAAGACAATTGAAGCTGCTGAAGCCCTGCTTCATATGGAATC
 TCCTACCTGCTTGAGGGATTCAAGAAGTCTGAATTCATCCATGCTGCTATGAGGCCAGATGTCATTACA
 GAAACTGTAGTGGAGGTGCAACTGAAGAGTCTGAACCCATGGATACCTCTCCTATTCCAACATCACCAG
 ATAGCCATGAACCAATGAAAAAGAAAAAGTTGGCCGTAACCAAAGACCCAGCAATCACCAATTTCCAA
 TGGGTCTCCTGAGTTAGGTATAAAGAAGAAACCAAGAGAAGGAAAAGGAAACACAACCTATTTGTGGGAG
 TTTCTTTTAGATCTACTCAAGATAAAAACTTGTCCCAGGTATATTAATGGACTCAGAGAGAAAAAG
 GCATATCAAGCTGGTGGATTCAAAGGCTGTCTTAAGCTTTGGGAAAGCATAAGAACAACCCAGACAT
 GAACTATGAAACCATGGGACGAGCTTTGAGATACTACTACCAAAGGGGAATTCCTGCAAAGTTGAAGGA
 CAGAGGCTTGATATCAGTTCAAGGATATGCCGAAAAACATAGTGGTCATAGATGATGACAAAAGTGAAA
 CCTGTAATGAAGATTTAGCAGGAACACTGATGAAAAATCATTAGAACGAGTGTCACTGTCTGCAGAAA
 TCTCCTGAAAGCAGCATCCTCTGTTGCGAGTGGAAAAATTCATCCCCTATAAACTGCTCCAGAGCAGAG
 AAGGGTGTAGCTAGAGTTGTGAATACCTTCCCCTGGGCACGATGCTTCATCCAGGTCTCCTACTACCA
 CTGCATCTGTGTGAGCAACAGCAGCTCCAAGGACAGTTCGTGTGGCAATGCAGGTACCTGTTGTAATGAC
 ATCATTGGGTGAGAAAATTTCAACTGTGGCAGTTCAGTCAGTTAATGCAGGTGCACCATTAATAACCAGC
 ACTAGTCCAACAACAGCGACCTCTCAAAGGTAGTCATTACAGACAATCCCTACTGTGATGCCAGCTTCTA
 CTGAAAATGGAGACAAAATCACCATGCAGCTGCCAAAATTTATTACCATCCAGCTACACAGCTTGACAT
 GTGTCAACTGCAGACAAAAGTCAAATCTGACTGGATCAGGAAGCATTAAACATTGTTGGAACCCCATGGCT
 GTGAGAGCACTTACCCTGTTTCAATAGCCATGGTACACCTGTAATGAGACTATCAATGCCTACTCAGC
 AGGCATCTGGCCAGACTCCTCCTCGAGTTATCAGTGCAGTCATAAAGGGCCAGAGGTTAAATCGGAAGC
 AGTGGCAAAAAGCAAGAACATGATGTGAAAATTTGCAGCTAGTAGAAGAAAAACCAGCAGATGGAAAT
 AAGACAGTGACCCACGTAGTGGTTGTCAGTGGCCTTCAGCTATTGCCCTTCTGTAACATGAAAAACAG
 AAGGACTAGTGACATGTGAGAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234346 representing NM_001276458
 Red=Cloning site Green=Tags(s)

MATSLHEGPTNQLDLLIRAVEASVHSSNAHCTDKTIEAAEALLHMESPTCLRDSRSEPIHAAMRPDVIT
 ETVVEVSTEESEPMDTSP IPTSPDSHEPMKKKKVGRKPKTQQSPISNGSPELGIKKKPREKGNTTYLWE
 FLLDLLQDKNTCPRYIKWTQREKGFKLVDKAVSKLWGKHKNKPDMNYETMGRALRYYYQRGILAKVEG
 QRLVYQFKDMPKNIIVIDDDKSETCNEDLAGTTDEKSLERVLSAESLLKAASSVRSGKNSPINCRAE
 KGVARVVNITSPGHDASSRSPPTTASVSATAAPRTVVRVAMQVPVVMVMTSLGQKISTVAVQSVNAGAPLITS
 TSPTTATSPKVVIQTIPTVMPASTENGDKITMQPAKIIITIPATQLAQCLQTKSNLTGSGSINIVGTPLA
 VRALTPVSI AHGTPVMRLSMPTQQASGQTPPRVISAVIKGPEVKSEAVAKKQEHVDVKTLLVEEKPADGN
 KTVTHVVVVSAPSAIALPVTMKTEGLVTCEK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001276458

ORF Size: 1563 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_001276458.2](#)

RefSeq Size: 3056 bp

RefSeq ORF: 1566 bp

Locus ID: 1998

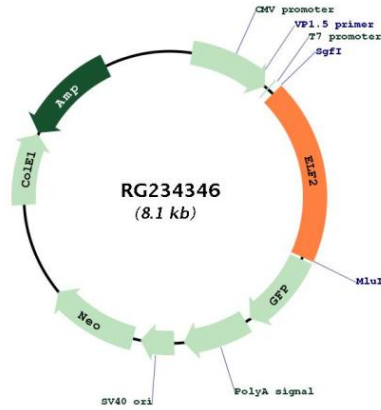
UniProt ID: [Q15723](#)

Cytogenetics: 4q31.1

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: Isoform 1 transcriptionally activates the LYN and BLK promoters and acts synergistically with RUNX1 to transactivate the BLK promoter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234346