

Product datasheet for **RG238542**

ELF2 (NM_001276459) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELF2 (NM_001276459) 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:

>RG238542 representing NM_001276459.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCGACGTCCTCTGCATGAGGGACCCACGAACCAGCTGGATCTGCTCATCCGGGCCGTGGAAGCATCA
GTTACACAGCAGTAATGCACACTGTACAGATAAGACAATTGAAGCTGCTGAAGCCCTGCTTCATATGGAA
TCTCTACCTGCTTGAGGGATTCAAGAAGTCTGAATTCATCCATGCTGCTATGAGGCCAGATGTCATT
ACAGAAACTGTAGTGGAGGTGTCAACTGAAGAGTCTGAACCCATGGATACCTCTCTATTCCAACATCA
CCAGATAGCCATGAACCAATGAAAAAGAAAAAGGAAACACAACCTATTTGTGGGAGTTTCTTTTAGAT
CTACTTCAAGATAAAAACTTTGTCCCAGGTATATTAATGGACTCAGAGAGAAAAAGGCATATTCAAG
CTGGTGGATTCAAAGGCTGTCTTAAGCTTTGGGAAAGCATAAGAACAAACCAGACATGAACTATGAA
ACCATGGGACGAGCTTTGAGATACTACTACCAAGGGGAATTCTTGCAAAGGTTGAAGGACAGAGGCTT
GTATATCAGTTCAAGGATATGCCGAAAAACATAGTGGTCATAGATGACAAAAGTGAACCTGTAAAT
GAAGATTTAGCAGGAACACTGATGAAAAATCATTAGAACGAGTGTCACTGTCTGCAGAAAGTCTCCTG
AAAGCAGCATCCTCTGTTTCGCAGTGAAAAAATTCATCCCTATAAACTGCTCCAGAGCAGAGAAGGGT
GTAGCTAGAGTTGTGAATATCACTTCCCCTGGGCACGATGCTTCATCCAGGTCTCTACTACCACTGCA
TCTGTGTCAGCAACAGCAGCTCCAAGGACAGTTCGTGTGGCAATGCAGGTACCTGTTGTAATGACATCA
TTGGGTGAGAAAAATTTCAACTGTGGCAGTTCAGTCAGTTAATGCAGGTGCACCATTAATAACCAGCACT
AGTCCAACAACAGCGACCTCTCCAAAGGTAGTCATTGAGACAATCCCTACTGTGATGCCAGCTTCTACT
GAAAATGGAGACAAAATCACCATGCAGCCTGCCAAAATATTACCATCCCAGCTACACAGCTTGCACAG
TGTCAACTGCAGACAAAGTCAAATCTGACTGGATCAGGAAGCATTAACTTTGTTGGAACCCCAATGGCT
GTGAGAGCACTTACCCCTGTTTCAATAGCCCATGGTACACCTGTAATGAGACTATCAATGCCTACTCAG
CAGGCATCTGGCCAGACTCCTCCTCGAGTTATCAGTGCAGTCATAAAGGGGCCAGAGGTTAAATCGGAA
GCAGTGGCAAAAAAGCAAGAACATGATGTGAAAACTTTGCAGCTAGTAGAAGAAAAACCAGCAGATGGA
AATAAGACAGTGACCCACGTAGTGGTTGTGAGTGCAGTGCCTTTCAGCTATTGCCCTTCTGTAACATGAAA
ACAGAAGGACTAGTGACATGTGAGAAA
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238542
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MATSLHEGPTNQLDLLIRAVEASVHSSNAHCTDKTIEAAEALLHMESPTCLRDSRSPFIHAAMRPDVI
TETVVEVSTEESEPMDTSPIPTSPDSHEPMKKKGNTTYLWEFLDLLQDKNTCPRIKWTQREKGIK
LVDSKAVSKLWGHKHNKPDMMNYETMGRALRYYYQRGILAKVEGQRLVYQFKDMPKNIIVIDDKSETCN
EDLAGTTDEKSLERVSLSAESLLKAASSVRSKNSPINCRAEKGVARVVNITSPGHDASSRSPTTTA
SVSATAAPRTVRVAMQVPVVMVMTSLGQKISTVAVQSVNAGAPLITSTPPTATSPKVVIQTIPTVMPAST
ENGDKITMQPAKIITIPATQLAQCLQTKSNLTGSGSINIVGTPLAVRALTPVSI AHGTPVMRLSMPTQ
QASGQTPPRVISAIVIKGPEVKSEAVAKKQEHVKTQLVEEKPADGNKTVTHVVVVSAPSAIALPVTMK
TEGLVTCEK
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

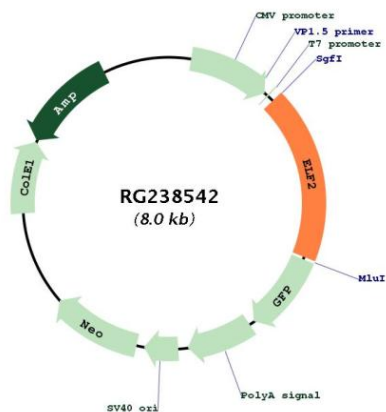
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


- ACCN:** NM_001276459
- ORF Size:** 1476 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).
- RefSeq:** [NM_001276459.2](#)
- RefSeq Size:** 2969 bp
- RefSeq ORF:** 1479 bp
- Locus ID:** 1998
- UniProt ID:** [Q15723](#)
- Cytogenetics:** 4q31.1
- Protein Families:** Druggable Genome, Transcription Factors
- MW:** 53.5 kDa
- 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 RG238542