

Product datasheet for **RG205244**

ELF2 (NM_006874) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELF2 (NM_006874) 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:

>RG205244 representing NM_006874
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGACGTCTCTGCATGAGGGACCCACGAACCACTGGATCTGCTCATCCGGGCCGTGGAAGCATCAG
 TTCACAGCAGTAATGCACACTGTACAGATAAGACAATTGAAGCTGCTGAAGCCCTGCTTCATATGGAATC
 TCCTACCTGCTTGAGGGATTCAAGAACTCTGTGGAAGTGTGTTCTCCTCTGTGTATCAACTCCAGAA
 TTCATCCATGCTGCTATGAGGCCAGATGTCATTACAGAACTGTAGTGGAGGTGTCAACTGAAGAGTCTG
 AACCCATGGATACCTCTCTATTCCAACATCACCAGATAGCCATGAACCAATGAAAAAGAAAAAGTTGG
 CCGTAACCAAAGACCCAGCAATCACCATTTCATGGGTCTCCTGAGTTAGGTATAAAGAAGAAACCA
 AGAGAAGGAAAAGGAAACACAACCTATTTGTGGGAGTTTCTTTTAGATCTACTTCAAGATAAAAACTT
 GTCCCAGGTATATTAATGGACTCAGAGAGAAAAAGGCATATTCAAGCTGGTGGATTCAAAGGCTGTCTC
 TAAGCTTTGGGAAAGCATAAGAACAACCCAGACATGAACATGAAACCATGGGACGAGCTTTGAGATAC
 TACTACCAAAGGGGAATTCTTGCAAAGGTTGAAGGACAGAGGCTGTATATCAGTTCAAGGATATGCCGA
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 AGTTCGTGTGGCAATGCAGGTACCTGTTGTAATGACATCATTGGGTCAGAAAAATTTCAACTGTGGCAGTT
 CAGTCAGTTAATGCAGGTGCACCATTAAACCAGCACTAGTCCAACAACAGCGACCTCTCCAAAGGTAG
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 TGCAGTCATAAAGGGGCCAGAGTTAAATCGGAAGCAGTGGCAAAAAAGCAAGAACATGATGTGAAAACT
 TTGCAGCTAGTAGAAGAAAAACCAGCAGATGGAATAAGACAGTGACCCACGTAGTGGTTGTCAGTGCGC
 CTTGAGCTATTGCCCTTCTGTAATATGAAAACAGAAGGACTAGTGACATGTGAGAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

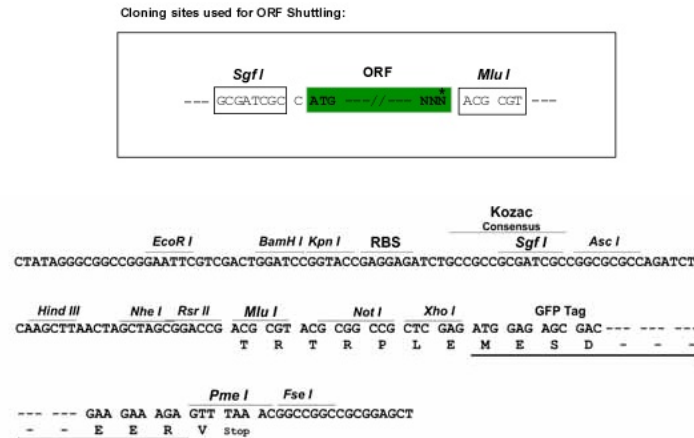
>RG205244 representing NM_006874
 Red=Cloning site Green=Tags(s)

MATSLHEGPTNQLDLLIRAVEASVHSSNAHCTDKTIEAAEALLHMESPTCLRDSRSPVEVFVPPCVSTPE
 FIHAAMRPDVITETVVEVSTEESEPMDTSPIPTSPDSHEPMKKKKVGRKPKTQQSPI SNQSPGLGKKKP
 REGKGNNTYLYWFLDLLQDKNTCPRIKWTQREKGIFKLVDKAVSKLWGKHKNKPDMMNYETMGRALRY
 YYQRGILAKVEGQRLVYQFKDMPKNIIVIDDDKSETCNEDLAGTTDEKSLERVSLSAESLLKAASSVRSG
 KNSSPINCRAEKGVARVYNITSPGHDASSRPTTASVSATAAPRTVRVAMQVPVMTSLGQKISTVAV
 QSVNAGAPLITSTPTTATSPKVVIQTIPTVMPASTENGDKITMQPAKIIITIPATQLAQCLQTKSNLTG
 SGSINIVGTPLAVRALTPVSIAGTTPVMRLSMPTQQASGQTPPRVISAVIKGPEVKSEAVAKKQEHDKVT
 LQLVEEKPADGNKTVTHVVVVSAPSAIALPVTMKTEGLVTCEK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_006874

ORF Size: 1599 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_006874.4](#)

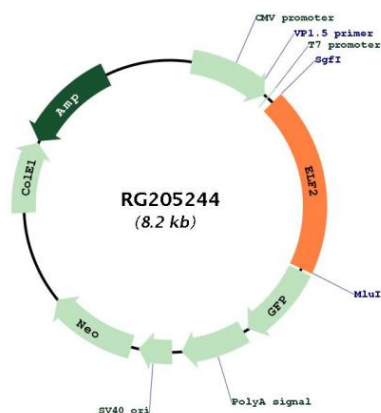
RefSeq Size: 3171 bp

RefSeq ORF: 1602 bp

Locus ID: 1998

UniProt ID:	Q15723
Cytogenetics:	4q31.1
Domains:	ETS
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 RG205244