

Product datasheet for **RG224036**

ELF2 (NM_201999) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ELF2
Synonyms:	b; EU32; NERF; NERF-1A; NERF-1α; 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: >RG224036 representing NM_201999
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACATCAGCAGTGGTTGACAGTGGAGTACTATTTTGGAGCTTTCCAGCAATGGAGTAGAAAAATCAAG
 AGGAAAGTGAAAAGGTTTCTGAATATCCAGCAGTGATTGTGGAGCCAGTTCCAAGTGCCAGATTAGAGCA
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 TCAGTGCAGTCATAAAGGGGCCAGAGGTTAAATCGGAAGCAGTGGCAAAAAAGCAAGAACATGATGTGAA
 AACTTTGCAGCTAGTAGAAGAAAAACAGCAGATGGAATAAGACAGTGACCCACGTAGTGGTTGTCAGT
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

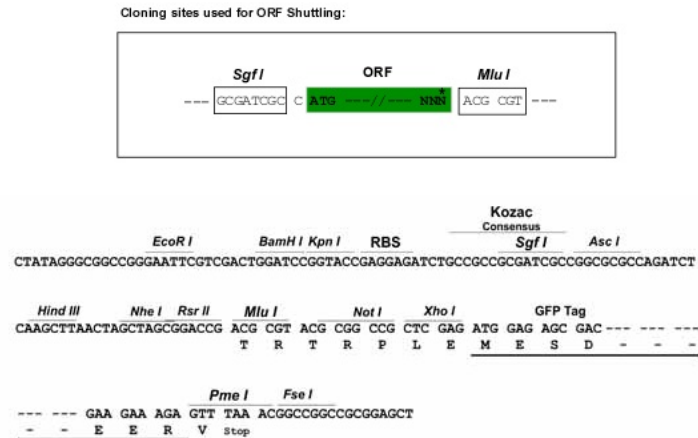
Protein Sequence: >RG224036 representing NM_201999
 Red=Cloning site Green=Tags(s)

MTSAVVDSSGTTILELSSNGVENQEESEKVSEYPVIVPEVPSARLEQGYAAQVLVYDDETYMMQDVAEEQ
 EVETENVETVEASVHSSNAHCTDKTIEAAEALLHMESPTCLRDSRSPFIHAAMRPDVITETVVEVSTEE
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 SPGHDASSRSPTTASVSATAAPRTVRVAMQVPVMTSLGQKISTVAVQSVNAGAPLITSTPTTATSPK
 VVIQTIPTVMPASTENGDKITMQPAKIITIPATQLAQCLQTKSNLTGSGSINIVGTPLAVRALTPVSIA
 HGTPVMRLSMPTQQASGQTPPRVISAVIKGPEVKSEAVAKKQEHDKTLQLVEEKPADGNKTVTHVVVVS
 APSAIALPVTMKTGLVTECK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_201999

ORF Size: 1743 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.

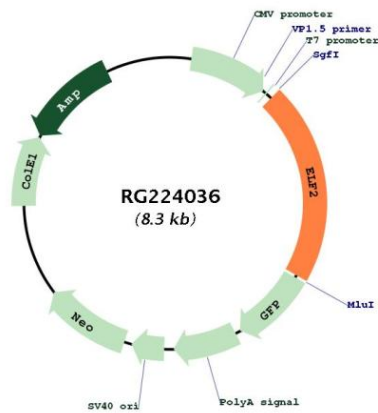
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_201999.3](#)

RefSeq Size: 3218 bp

RefSeq ORF:	1746 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 RG224036