

Product datasheet for **RC238542**

ELF2 (NM_001276459) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELF2 (NM_001276459) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ELF2
Synonyms:	b; EU32; NERF; NERF-1A; NERF-1a; NERF-1B; NERF-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238542 representing NM_001276459
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGAGCTCTCTGCATGAGGGACCCACGAACCAGCTGGATCTGCTCATCCGGCCGTGGAAGCATCAG
 TTCACAGCAGTAATGCACACTGTACAGATAAGACAATTGAAGCTGCTGAAGCCCTGCTTCATATGGAATC
 TCCTACCTGCTTGAGGGATTCAAGAAGTCTGAATTCATCCATGCTGCTATGAGGCCAGATGTCATTACA
 GAAACTGTAGTGGAGGTGCAACTGAAGAGTCTGAACCCATGGATACCTCTCCTATTCCAACATCACCAG
 ATAGCCATGAACCAATGAAAAAGAAAAAGGAAACACAACCTATTTGTGGGAGTTTCTTTTAGATCTACT
 TCAAGATAAAAACTTGTCCCAGGTATATTAATGGACTCAGAGAGAAAAAGGCATATTCAAGCTGGT
 GATTCAAAGGCTGTCTAAGCTTTGGGAAAGCATAAGAACAACCAGACATGAACTATGAAACCATGG
 GACGAGCTTTGAGATACTACTACAAAGGGGAATTCCTGCAAAGTTGAAGGACAGAGGCTGTATATCA
 GTTCAAGGATATGCCGAAAAACATAGTGGTCATAGATGATGACAAAAGTGAACCTGTAATGAAGATTTA
 GCAGGAACTACTGATGAAAAATCATTAGAACGAGTGTCACTGTCTGCAGAAAGTCTCCTGAAAGCAGCAT
 CCTCTGTTTCGAGTGGAATAATTCATCCCTATAAACTGCTCCAGAGCAGAGAAGGGTGTAGCTAGAGT
 TGTGAATCACTTCCCCTGGGCACGATGCTTCATCCAGGTCTCCTACTACCACTGCATCTGTGTACGCA
 ACAGCAGCTCCAAGGACAGTTCGTGTGGCAATGCAGGTACCTGTTGTAATGACATCATTGGGTCAGAAAA
 TTTCAACTGTGGCAGTTCAGTCAGTTAATGCAGGTGCACCATAATAACCAGCACTAGTCCAACAACAGC
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 ATCACCATGCAGCCTGCCAAAATTATTACCATCCAGCTACACAGCTTGCACAGTGTCAACTGCAGACAA
 AGTCAAATCTGACTGGATCAGGAAGCATTAACTTTGTTGGAACCCATTGGCTGTGAGAGCACTTACCCC
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 CCTCTCGAGTTATCAGTGCAGTCATAAAGGGCCAGAGGTTAAATCGGAAGCAGTGGCAAAAAAGCAAG
 AACATGATGTGAAAACTTTGCAGCTAGTAGAAGAAAAACCAGCAGATGGAATAAGACAGTGACCCACGT
 AGTGGTTGTCAGTGCCTTCAGCTATTGCCCTCCTGTAACATGAAAACAGAAGGACTAGTGACATGT
 GAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

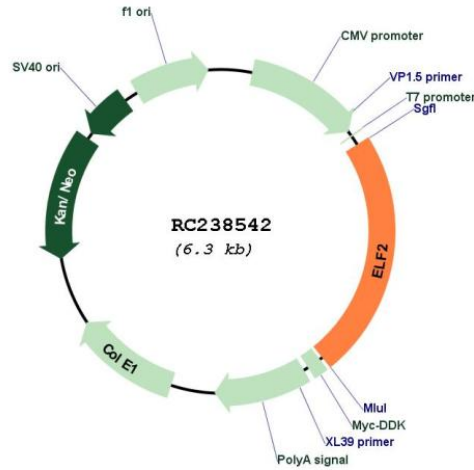
>RC238542 representing NM_001276459
 Red=Cloning site Green=Tags(s)

MATSLHEGPTNQLDLLIRAVEASVHSSNAHCTDKTIEAAEALLHMESPTCLRDSRSPFIHAAMRPDVI
 ETVVEVSTEESEPMDTSP IPTSPDSHEPMKKKGNTTYLWEFLDLLQDKNTCPRIKWTQREKIFKLV
 DSKAVSKLWGKHKKNKPD MNYE TMGRAL RYYYQ RILAKVEGQRL VYQFKDMPKNI VVIDDDKSETCNE
 DL AGTTDEKSLERVSL SAESLLKAASSVRS GKNSSP INCSRAEKGVARV VNI TSPGHDASSRPTTTASV
 SA TAAPRTVRVAMQVPVVM TSLGQKISTVAVQSVNAGAPLITSTPTTATSPKVVIQTIPTVMPASTENG
 DK ITMQPAKIITIPATQLAQQLQTKSNLTGSGSINIVGTPLAVRALTPVSI AHGTPVMRLSMPTQQASG
 QT PPRVISA VIKGPEVKSEAVAKKQEHDVKTLQLVEEKPADGNKTVTHVVVV SAPSAIALPVTMKTEGLV
 TCEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Plasmid Map:


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).

Reconstitution Method:	<ol style="list-style-type: none">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_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]