

Product datasheet for **RC232880**

ELF2 (NM_001276457) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELF2 (NM_001276457) 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:

>RC232880 representing NM_001276457
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGACGTCTCTGCATGAGGGACCCACGAACCAGCTGGATCTGCTCATCCGGGCCGTGGAAGCATCAG
 TTCACAGCAGTAATGCACACTGTACAGATAAGACAATTGAAGCTGCTGAAGCCCTGCTTCATATGGAATC
 TCCTACCTGCTTGAGGGATTCAAGAAGTCTGTGGAAGTGTGGTCTCCTCTGTGTATCAACTCCAGAA
 TTCATCCATGCTGCTATGAGGCCAGATGTCATTACAGAACTGTAGTGGAGGTGTCAACTGAAGAGTCTG
 AACCCATGGATACCTCTCTATTCCAACATCACCAGATAGCCATGAACCAATGAAAAAGAAAAAGGAAA
 CACAACCTATTTGTGGGAGTTTCTTTTAGATCTACTTCAAGATAAAAAATACTTGTCCAGGTATATTA
 TGGACTCAGAGAGAAAAAGGCATATTCAAGCTGGTGGATTCAAAGGCTGTCTCTAAGCTTTGGGAAAGC
 ATAGAACAACCAGACATGAACATGAAACCATGGGACGAGCTTTGAGATACTACTACCAAGGGGAAT
 TCTTGCAAAGGTTGAAGGACAGAGGCTTGTATATCAGTTCAGGATATGCCGAAAAACATAGTGGTCATA
 GATGATGACAAAAGTGAACCTGTAATGAAGATTTAGCAGGAACACTGATGAAAAATCATTAGAACGAG
 TGTCACTGTCTGCAGAAAGTCTCCTGAAAGCAGCATCCTCTGTTTCGAGTGGAAAAAATTCATCCCTAT
 AAAGTGTCCAGAGCAGAGAAGGTTGTAGCTAGAGTTGTGAATATCACTTCCCCTGGGCACGATGCTTCA
 TCCAGGCTCCTACTACCACTGCATCTGTGTCAGCAACAGCAGCTCCAAGGACAGTTCGTGTGGCAATGC
 AGGTACCTGTTGTAATGACATCATTGGGTGAGAAAAATTTCAACTGTGGCAGTTCAGTCAGTTAATGCAGG
 TGCACCATTAATAACCAGCACTAGTCCAACAACAGCGACCTCTCCAAAGGTAGTCATTGAGCAATCCCT
 ACTGTGATGCCAGTCTTACTGAAAAATGGAGACAAAATCACCATGCAGCCTGCCAAAATTTACCATCC
 CAGCTACACAGCTTGCACAGTGTCAACTGCAGACAAAAGTCAAATCTGACTGGATCAGGAAGCATTAAAT
 TGTGGAAACCCATTGGCTGTGAGAGCACTTACCCTGTTTCAATAGCCCATGGTACACCTGTAATGAGA
 CTATCAATGCCTACTCAGCAGGCATCTGCCAGACTCCTCCTCGAGTTATCAGTGCAGTCATAAAGGGGC
 CAGAGGTTAAATCGGAAGCAGTGGCAAAAAAGCAAGAATGATGTGAAAACTTTGCAGCTAGTAGAAGA
 AAAACCAGCAGATGGAATAAGACAGTGACCCACGTAGTGGTTGTCAGTGCAGCTTACGCTATTGCCCTT
 CCTGTAATATGAAAACAGAAGGACTAGTGACATGTGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232880 representing NM_001276457
 Red=Cloning site Green=Tags(s)

MATSLHEGPTNQLDLLIRAVEASVHSSNAHCTDKTIEAAEALLHMESPTCLRDSRSPVEFVPPCVSTPE
 FIHAAMRPDVIITETVVEVSTEESEPMDTSP IPTSPDSHEPMKKKGNNTYLWFLDLLQDKNCPRIK
 WTQREKIFKLVDSKAVSKLWGHKHNKPDMMNYETMGRALRYYYQRGILAKVEGQRLVYQFKDMPKNI VVI
 DDDKSETCNEDLAGTTDEKSLERVSLSAESLLKAASSVRS GKNSPINC SRAEKGVARVVNITSPGH DAS
 SRSPTTTASVSATAAPRTVRVAMQVPVMTSLGQKISTVAVQSVNAGAPLITSTSPTTATSPKVVIQTIP
 TVMPASTENGDKITMQPAKIITIPATQLAQCLQTKSNLTGSGSINIVGTPLAVRALTPVSI AHGTPV MR
 LSMPTQQASGQTPPRVISAVIKGPEVKSEAVAKKQEHDKTLQLVEEKPADGNKTVTHVVVVSAPSAIAL
 PVTMKTEGLVTCEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

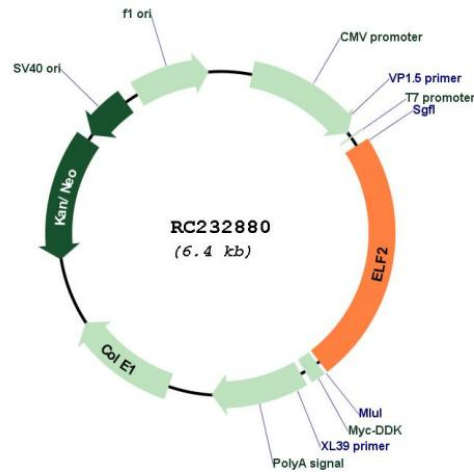
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001276457

ORF Size: 1512 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:	<u>NM_001276457.1</u> , <u>NP_001263386.1</u>
RefSeq Size:	3005 bp
RefSeq ORF:	1515 bp
Locus ID:	1998
UniProt ID:	<u>Q15723</u>
Cytogenetics:	4q31.1
Protein Families:	Druggable Genome, Transcription Factors
MW:	54.7 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]