

Product datasheet for **SC115824**

ELF2 (NM_006874) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELF2 (NM_006874) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELF2
Synonyms:	b; EU32; NERF; NERF-1A; NERF-1a; NERF-1B; NERF-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_006874 edited
GAATTCGGCACGAGGCCGGCCGGGTTCCGCCTCCTCCCCTGCCGCGCTGCTCACGGT
GTAAGTCAATGTGAAGCAGCAGCTCCAGCCCCGGGATAAACAATGGCGACGTCTCTGCATG
AGGGACCCACGAACCAGCTGGATCTGCTCATCCGGGCCGTGGAAGCATCAGTTCACAGCA
GTAATGCACACTGTACAGATAAGACAATTGAAGCTGCTGAAGCCCTGTTTCATATGGAAT
CTCCTACCTGCTTGAGGGATTCAAGAAGTCTGTGGAAGTGTGGTTCCTCCTTTGTGTAT
CAACTCCAGAATTCATCCATGCTGCTATGAGGCCAGATGTCATTACAGAAAAGTGTAGTGG
AGGTGTCAACTGAAGAGTCTGAACCCATGGATACCTCTCCTATTCCAACATCACCAGATA
GCCATGAACCAATGAAAAAGAAAAAGTTGGCCGTAAACCAAAGACCCAGCAATCACCAA
TTTCCAATGGGTCTCCTGAGTTAGGTATAAAGAAGAAACCAAGAGAAGGAAAAAGGAAACA
CAACCTATTTGTGGGAGTTTCTTTTAGATCTACTTCAAGATAAAAATACTTGTCCAGGT
ATATTAATGGACTCAGAGAGAAAAAGGCATATTCAGCTGGTGGATTCAAAGGCTGTCT
CTAAGCTTTGGGAAAGCATAAGAACAACCAGACATGAACTATGAAACCATGGGACGAG
CTTTGAGATACTACTACCAAAGGGGAATCTTGCAAAGGTTGAAGGACAGAGGCTTGAT
ATCAGTTCAAGGATATGCCGAAAAACATAGTGGTCATAGATGATGACAAAAGTGAACCT
GTAATGAAGATTTAGCAGGAACTACTGATGAAAAATCATTAGAACGAGTGTCACTGTCTG
CAGAAAAGTCTCCTGAAAGCAGCATCCTCTGTTCCGAGTGGAAAAAATTCATCCCCTATAA
ACTGCTCCAGAGCAGAGAAGGGTGTAGCTAGAGTTGTGAATATCACTTCCCCTGGGCACG
ATGCTTCAATCCAGGTCTCCTACTACCACTGCATCTGTGTCAGCAACAGCAGCTCCAAGGA
CAGTTCGTGTGGCAATGCAGGTACCTGTTGTAATGACATCATTGGGTGAGAAAATTTCAA
CTGTGGCAGTTCAAGTCAAGTAAATGCAGGTGCACCATTAATAACCAGCACTAGTCCAACAA
CAGCGACCTCTCCAAAGGTAGTCATTGACACAATCCCTACTGTGATGCCAGCTTCTACTG
AAAATGGAGACAAAATCACCATGCAGCCTGCCAAAATTAATACCATCCCAGCTACACAGC
TTGCACAGTGTCAACTGCAGACAAAGTCAAATCTGACTGGATCAGGAAGCATTAAACATTG
TTGGAACCCCATTTGGCTGTGAGAGCACTTACCCCTGTTTCAATAGCCCATGGTACACCTG
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GTGCAAGTATAAAGGGCCAGAGGTTAAATCGGAAGCAGTGGCAAAAAGCAAGAACATG
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ACGTAGTGGTTGTCAGTGCCTTCAGCTATTGCCCTTCTGTAAGTATGAAAACAGAAG
GACTAGTGACATGTGAGAAATAAATAGCAGCTCCACCATGGACTTCAGGCTGTTAGTGG
CAGTACTGACATAAACATTTGCAAGGGAAGTCATCAAGAAAAGTCAAAGAAGACTTTAAA
ACATTTTTAATGCATATACAAAAACAATCAGACTTACTGGAAATAAATTACCTATCCCAT
GTTTCAGTGGGAAATGAACTACATATTGAGATGCTGACAGAAAAGTGCCTTACAGTAG
GAAACAATGAACCCATCAATAAGAAAAAGGATCGAAAGGGACCAAGCAGCTCACTACGA
TATCAAGTTACACTAAGACTTGGAAACACTAACATTTCTGTAAGAGGTTATATAGTTTTAG
TGGGAGGGGTTGGGATGGGTAATCTCATTGTTACATATAGCAATTTTTGATGCATTTTAT
ATGCATACCAGCAATTTACTGTGTTCCGACAGTTCTCACTTAACTGGTGTATGTGAA
GACTCTGCTAATATAGGTATTTTGAATGTGAATGAAGAATGGATCCCCAAAACCTTCAG
AAAGAGGATAGCAAAAAAAGATCTAGTGCAGTTTTATATATATATATATATATATATACA
TACATATATATATATCATATAGCTTAAGCTGATTTAAAAACAAGGCCTTAGACTAATTTT
CGATTTTCTTTCTTGAATAAGCTAATGGCTGTTTGTGTAAGCTTTTTTTATTAAGA
AAAATTTTAAAAATCTAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAA

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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006874 unedited</p> <pre>GGTCAAATTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGGCCGGCCGCGG GTTCCGCCTCCTCCCCTGCCGCCGCTGCTCACGGTGAAGTCAATGTGAAGCAGCAGCTC CAGCCCCGGGATAAACATGGCGACGTCTCTGCATGAGGGACCCACGAACCAGCTGGATCT GCTCATCCGGGCCGTGGAAGCATCAGTTCACAGCAGTAATGCACACTGTACAGATAAGAC AATTGAAGCTGCTGAAGCCCTGCTTCATATGGAATCTCCTACCTGCTTGAGGGATTCAAG AAGTCTGTGGAAGTGTGTTGTTCCCTTGTGTATCAACTCCAGAATTCATCCATGCTGC TATGAGGCCAGATGTCATTACAGAACTGTAGTGGAGGTGTCAACTGAAGAGTCTGAACC CATGGATACCTCTCTATTCCAACATCACCAGATAGCCATGAACCAATGAAAAAGAAAA AGTTGGCCGTAAACCAAAGACCCAGCAATCACCAATTTCCAATGGGTCTCCTGAGTTAGG TATAAAGAAGAAACCAAGAGAAGGAAAAGGAAACACAACCTATTTGTGGGAGTTTCTTTT AGATCTACTTCAAGATAAAAAACTTGTCCAGGTATATTAATGGACTCAGAGAGAAAA AGGCATATTCAAGCTGGTGGATTCAAAGGCTGTCTAAGCTCTGGGAAAGCATAAGAA CCAACCAGACATGAACATGAAACCATGGGACGAGCTTTGAGATACTACTACCAAAGGGG AAATTCTGCCAAGTTGAACGACAGAGGCTTGTATATCAGTTCAGGATATGCCCGAAAA CATAGTGGTCATAGATGATGACACAGTAAACCCTGTATGAAGATTTACCAGGACCTACT GATGAAAATCATTAGAACGAGTGCN</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006874 unedited</p> <pre>ACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTATGATTTTTAAAAATTTT CTTTTAATAAAAAAGCTTTACACAAACAAGCCATTAGCTTATTTCAAGAAAGAAAATCGA AAATTAGTCTAAGCCTTTGTTTTAAATCAGCTTAAGCTATATGATATATATATATGTAT GTATATATATATATATATATATAAAAATCGCACTAGATCTTTTTTTGCTATCCTCTTTC TGAAGTTTTTGGGATCCATTCTTCAATTCACATTCTAAAATACCTATATTAGCAGAGTCT TCACATAGCACCAGTTAAGTGAGAACTGTGCGAACACAGTAATAATTGCTGGTATGCATA TAAAATGCATCAAAAATTGCTATATGTAACAATGAGATTACCCATCCCAACCCCTCCAC TGAAAATATATAACCTTTACAGAATGTTAGTGTCCAAAGTCTTAGTGTAACTTGATAT CGTAGTGAGCTGCTTGGTCCCTTTTCGATCCTTTTTCTTATTGATGGGTTCAAGTTGTTCC TACTGTAAGAGGCAGTTTTCTGTCAGCATCTCAATATGTAGTTCATTTCCCACTGAAACA TGGGATAGGTAATTTATTTCCAGTAAGTCTGATTGTTTTTGTATATGCATTAAAAATGTT TTAAAGTCTTCTTTGACTTTTTCTTGATGACTTCCCTTNGCAATGTTTATGTCAGTACTGC CACTAACAGCCCTGAAGTCATGGTGGAGCTGCTATNTATTTCTCACATGTCAGTACTAGCC CTTCTGGTTTCATAGNTACAGGAAGGGCCAATAGCTGGAGGCGCACTGACAACCACCTAC GGGGGCCACTGGCCTTATCCCTCTGGCTGGGTTTTCTNCTACAAGCCTGCAAGTTTCAC CTCATGTTTTGGTTTTTGGCACTGCTTCGATTAACCCTCGCCCCCTTAGAA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_006874
Insert Size:	2430 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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.

RefSeq: [NM_006874.2](#), [NP_006865.1](#)

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]

Transcript Variant: This variant (2) has an alternate exon in place of the first three exons and uses an alternate in-frame splice junction at the 5' end of an internal exon compared to variant 1. Translation starts in the alternate exon, so the resulting isoform (2) has a shorter and distinct N-terminus and contains an alternate internal segment compared to isoform 1.