

Product datasheet for **MC228145**

Elf2 (NM_001291062) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elf2 (NM_001291062) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Elf2
Synonyms:	2610036A20Rik; A230104O07Rik; AW111824; BB183398; EU32; NERF; NERF-1A; NERF-1B; NERF-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228145 representing NM_001291062
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGACGTCTCTGCATGAGGGACCCACGAACCAGCTGGATCTGCTCATCCGGGCCGTGGAAGCATCAG
 TTCACAGCAGTAATGCTCACTGTACGGATAAGACCATTGAAGCTGCTGAAGCCCTGCTTCATATGGAATC
 TCCTACCTGCTTGAGGGATTCAAGAAGTCTGAGTTTATCCATGCTGCGATGAGGCCGGATGTCATCACA
 GAGACTGTAGTGGAGGTCCACAGAAGAGTCTGAGCCGATGGATGCCTCGCCTATCCCTACTTCACCCAG
 ACAGCCACGAACCAATGAAAAAGAAAAAGTTGGCCGTAACCAAGACCCAGCAGTCCACGATTTCCAA
 TGGGTCTCTGAGTTAGGAATCAAGAAGAAAGCCAGAGAAGGAAAAGGAAACACAACCTATCTGTGGGAG
 TTTCTTTTAGATTTGCTCAAGATAAAAACTTGTCCAGGTATATTAATGGACTCAGAGAGAAAAGG
 GCATATCAAACCTGTGGACTCAAAGGCTGTCTCGAAGCTCTGGGGGAAGCATAAGAACAAACCAGATAT
 GAACTATGAAACCATGGGGCGAGCGTTAAGATATTACTACCAAAGGGGAATTCCTGCAAAGTTGAAGGA
 CAGAGGCTTGATATCAGTTCAAGGACATGCCAAAAACATAGTGGTCATTGATGATGACAAAAGTGAGA
 CCTGCCCTGAAGACTTGGCAGCAGCTGCTGATGACAAGTCTTTAGAACGAGTGTCACTATCTGCAGAAA
 TCTCCTGAAGGCAGCAACTGCCGTCCGAGGTGGGAAAACTCATCTCCTCTGAACTGCTCCAGAGCAGAG
 AAGGGTGTGGCTAGAGTTGTGAACATCACCTCCCTACTCACGACGGTTCCTCCAGGTCTCCTACTACCA
 CTGCACCTGTGTGAGCAGCAGCAGCTCCAAGGACAGTTCGTGTGGCAATGCAAGTCCCTGTGGTAATGAC
 CTCCTGGGCAAAAAGATTTAGCGGTGGCAGTTCAGTCAAGTCAATGCAGGCACAGGCTCGCCGTTAATA
 ACCAGCACCAGTCCAGCCTCGGCCAGCTCTCCAAAAGTAGTCATCCAGACAGTCCCGACCGTGTGCCGG
 CCTCCACTGAAAATGGAGACAGAATCACCATGCAGCCTGCCAAGATTATCACCATCCCCGCCACCCAGCT
 CGCACAGTGTCAACTCCAGGCAAAGTCAAACCTGACGGGGTCCAGGAAGCATTAAACATTGTTGGAACCCCA
 CTGGCTGTGAGGGCACTACCCCTGTTTCAATAGCCACGGTACACCTGTAAAGACTGTCTGTGCCTG
 CTCAGCAGGCTTCTGGCCAGACTCCTCCTCGAGTTATCAGTGCCTCCTAAAAGGGCCGAGGGGAAATC
 AGAAGCCAAAAAGCAGGAACACGATGTGAAAATTTGCAGCTGGTAGAAGAGAAGGGGCGAGCGGCAAT
 AAGACAGTAACCCACGTAGTGGTCGTGAGTGCCTGCTGCTATCGCCCTTCTGTGACTATGAAAACCC
 AAGGGCTAGTGACGTGTGAGAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001291062
- Insert Size:** 1566 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001291062.1](#), [NP_001277991.1](#)

RefSeq Size: 5459 bp

RefSeq ORF: 1566 bp

Locus ID: 69257

UniProt ID: [Q9JHC9](#)

Cytogenetics: 3 C

Gene Summary: Probably 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 (3) uses an alternate 5' structure and an alternate splice site in the coding region compared to variant 1. The encoded isoform (3) is shorter and has a distinct N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.