

Product datasheet for **MR230356**

Elf2 (NM_001291062) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elf2 (NM_001291062) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR230356 representing NM_001291062
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGAGCTCTCTGCATGAGGGACCCACGAACCAGCTGGATCTGCTCATCCGGCCGTGGAAGCATCAG
 TTCACAGCAGTAATGCTCACTGTACGGATAAGACCATTGAAGCTGCTGAAGCCCTGCTTCATATGGAATC
 TCCTACCTGCTTGAGGGATTCAAGAAGTCTGAGTTTATCCATGCTGCGATGAGGCCGGATGTCATCACA
 GAGACTGTAGTGGAGGTGCCACAGAAGAGTCTGAGCCGATGGATGCCTCGCCTATCCCTACTTACCAG
 ACAGCCACGAACCAATGAAAAAGAAAAAGTTGGCCGTAACCAAGACCCAGCAGTACCAGTTTCCAA
 TGGGTCTCTGAGTTAGGAATCAAGAAGAAAGCCAGAGAAGGAAAAGGAAACACAACCTATCTGTGGGAG
 TTTCTTTAGATTTGCTCAAGATAAAAACTTGTCCAGGTATATTAATGGACTCAGAGAGAAAAGG
 GCATATCAAACCTGTGGACTCAAAGGCTGTCTGAAGCTCTGGGGAAGCATAAGAACAAACCAGATAT
 GAACTATGAAACCATGGGGCAGCGTTAAGATATTACTACCAAGGGGAATTCCTGCAAAGTTGAAGGA
 CAGAGGCTTGATATCAGTTCAAGGACATGCCAAAAACATAGTGGTCATTGATGATGACAAAAGTGAGA
 CCTGCCCTGAAGACTTGGCAGCAGCTGCTGATGACAAGTCTTTAGAACGAGTGTCACTATCTGCAGAAA
 TCTCCTGAAGGCAGCAACTGCCGTCCGAGGTGGGAAAACTCATCTCCTGAACTGCTCCAGAGCAGAG
 AAGGGTGTGGCTAGAGTTGTGAACATCACCTCCCTACTCACGACGGTTCCTCCAGGTCTCCTACTACCA
 CTGCACCTGTGTGAGCAGCAGCAGCTCCAAGGACAGTTCGTGTGGCAATGCAAGTCCCTGTGGTAATGAC
 CTCAGTGGCCAAAAGATTTAGCGGTGGCAGTTCAGTCACTCAATGCAGGCACAGGCTCGCCGTTAATA
 ACCAGCACCAGTCCAGCCTCGGCCAGCTCTCCAAAAGTAGTCAATCCAGACAGTCCCGACCGTGTGCCG
 CCTCCACTGAAAAATGGAGACAGAATCACCATGCAGCCTGCCAAGATTATCACCATCCCGCCACCCAGT
 CGCACAGTGTCAACTCCAGGCAAAGTCAAACCTGACGGGGTCAAGGAAATTAACATTGTTGGAACCCCA
 CTGGCTGTGAGGGCACTACCCCTGTTTCAATAGCCACGGTACACCTGTAAAGACTGTCTGTGCCTG
 CTCAGCAGGCTTCTGGCCAGACTCCTCCTCGAGTTATCAGTGCCTCCTAAAAGGGCCGAGGGGAAATC
 AGAAGCCAAAAGCAGGAACACGATGTGAAAACCTTGCAGCTGGTAGAAGAGAAGGGGCAGACGGCAAT
 AAGACAGTAACCCACGTAGTGGTCGTGAGTGCCTGCTGCTATCGCCCTTCTGTGACTATGAAAACCG
 AAGGGCTAGTGACGTGTGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230356 representing NM_001291062
 Red=Cloning site Green=Tags(s)

MATSLHEGPTNQLDLLIRAVEASVHSSNAHCTDKTIEAAEALLHMESPTCLRDSRSEPIHAAMRPDVIT
 ETVVEVSTEESEPMASPIPTSPDSHEPMKKKVGKPKTQQSPVSNGLPELGIKKAREGKGNNTTYLWE
 FLLDLLQDKNTCPRIKWTQREKIFKLVDSKAVSKLWGHKHNKPDNYETMGRALRYYYQRGILAKVEG
 QRLVYQFKDMPKNIIVIDDKSETCPEDLAAAADDKSLERVLSAESLLKAATAVRGGKNSPLNCSRAE
 KGVARVNIITSPHDGSSRSPTTAPVSAAPRTVRVAMQVPVMTSLGQKISAVAVQSVNAGTGSPLI
 TSTSPASASSPKVVIQTVPTVMPASTENGDRITMQPAKIIITIPATQLAQCLQAKSNLTGSGSINIVGTP
 LAVRALTPVSIAGHTPVMRLSVPAQQASGQTPPRVISALLKGPEGKSEAKKQEHVKTLLQVVEKGADGN
 KTVTHVVVVSAPSAIALPVTMKTEGLVTCEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001291062
ORF Size:	1563 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_001291062.1 , NP_001277991.1
RefSeq Size:	5459 bp
RefSeq ORF:	1566 bp
Locus ID:	69257
UniProt ID:	Q9JHC9
Cytogenetics:	3 C
MW:	56.2 kDa
Gene Summary:	Probably transcriptionally activates the LYN and BLK promoters and acts synergistically with RUNX1 to transactivate the BLK promoter.[UniProtKB/Swiss-Prot Function]