

Product datasheet for **MR230581**

Elf2 (NM_001291059) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elf2 (NM_001291059) 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:

>MR230581 representing NM_001291059
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCATCGGCGGTGTTGACAGCGGAGGCTCTGCTCTGGAGCTTCTAGCGATGGAGGAGAAAATCAAG
 AGGGAGGTGACACGGGCCCTGACTGCCCGCAGTGATTGTGGAGCCAGTCCAGTGCGAGGTTAGAGCA
 GGGCTATGCTGCCAGGTGCTGGTCTATGACGACGAGACTTATATGATGCAGGATGTGGCGAAGAACAG
 GAAGTTGAGACGGAGAATTCAGAAAACAGTGAAGCATCAGTTCACAGCAGTAATGCTCACTGTACGGATA
 AGACCATGAAGCTGCTGAAGCCCTGCTTCATATGGAATCTCCTACCTGCTTGAGGGATTCAAGAAGTCC
 TGAGTTTATCCATGCTGCGATGAGGCCGATGTCATCACAGAGACTGTAGTGGAGGTGCCACAGAAGAG
 TCTGAGCCGATGGATGCCTCGCCTATCCCTACTCACAGACAGCCACGAACCAATGAAAAAGAAAAAG
 TTGGCCGTAACCAAAGACCCAGCAGTACCAGTTTCCAATGGGTCTCCTGAGTTAGGAATCAAGAAGAA
 AGCCAGAGAAGAAAAGGAAACACAACCTATCTGTGGGAGTTTCTTTTAGATTTGCTTCAAGATAAAAAAT
 ACTTGTCCAGGTATATTAATGGACTCAGAGAGAAAAGGCATATTTCAACTTGTGGACTCAAAGGCTG
 TCTCGAAGCTCTGGGGGAAGCATAAGAACAACAGATATGAACTATGAAACCATGGGGCGAGCGTTAAG
 ATATTACTACAAAGGGGAATCTTGCAAAGGTTGAAGGACAGAGGCTTGTATATCAGTTCAAGGACATG
 CCCAAAAACATAGTGGTCATTGATGATGACAAAAGTGAGACCTGCCCTGAAGACTTGGCAGCAGCTGCTG
 ATGACAAGTCTTTAGAACGAGTGTCACTATCTGCAGAAAGTCTCCTGAAGGCAGCAACTGCCGTCGAGG
 TGGGAAAACTCATCTCCTCTGAACTGCTCCAGAGCAGAGAAGGGTGTGGCTAGAGTTGTGAACATCACC
 TCCCTACTCAGCAGGTTCTCCAGGCTCCTACTACCACTGCACCTGTGTGAGCAGCAGCAGCTCCAA
 GGACAGTTCGTGTGGCAATGCAAGTCCCTGTGGTAATGACCTCACTGGCCAAAAGATTTGAGCGGTGGC
 AGTTCAGTCAGTCAATGCAGGCACAGGCTCGCCGTTAATAACCAGCACCACTCCAGCCTCGGCCAGCTCT
 CAAAAAGTAGTCATCCAGACAGTCCCGACCGTGTGCCCGCCTCCACTGAAAATGGAGACAGAATACCA
 TGCAGCCTGCCAAGATTACCCATCCCGCCACCCAGCTCGCACAGTGTCAACTCCAGGCAAAGTCAAA
 CCTGACGGGGTCAGGAAGCATTAACTTGTGAAACCCACTGGCTGTGAGGGCACTCACCCCTGTTTCA
 ATAGCCCACGGTACACCTGTAATGAGACTGTCTGTGCCTGCTCAGCAGGCTTCTGGCCAGACTCCTCCTC
 GAGTTATCAGTGCCTCTAAAAGGGCCGAGGGGAAATCAGAAGCCAAAAGCAGGAACACGATGTGAA
 AACTTTGAGCTGGTAGAAGAGAAGGGGCAGACGGCAATAAGACAGTAACCCACGTAGTGGTCGTCAGT
 GCGCCGCTGCTATCGCCCTTCTGTGACTATGAAAACCGAAGGGCTAGTGACGTGTGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230581 representing NM_001291059
 Red=Cloning site Green=Tags(s)

MASAVVDSGGSALPELPSDGGENQEGDTPDPAVIVEPVPSARLEQGYAAQVLVYDDEYMMQDVAEEQ
 EVETENSETVEASVHSSNAHCTDKTIEAAEALLHMESPTCLRDSRSEFIIHAAMRPDVTETVVEVSTEE
 SEPMDASPIPTSPDSHEPMKKKVGKPKTQQSPVSNQSPGELGIKKKAREGKNTTYLWFLDLLQDKN
 TCPRYIKWTQREKGIKFLVDSKAVSKLWGKHKNKPDMMNYETMGRALRYYYQRGILAKVEGQRLVYQFKDM
 PKNIVVIDDDKSETCPEDLAAAADDKSLERVSLAESLLKAATAVRGGKNSPLNCSRAEKGVARVVNIT
 SPTHDGSRSPTTAPVSAAPRTVRVAMQVPVVMVMTSLGQKISAVAVQSVNAGTGSPLITSTSPASASS
 PKVVIQTVPTVMPASTENGDRITMQPAKIITIPATQLAQQLQAKSNLTGSGSINIVGTPLAVRALTPVS
 IAHGTPVMRLSVPAQQASGQTPPRVISALLKGPEGKSEAKKQEHVYKTLQLVEEKGADGNKTVTHVVVVS
 APSAIALPVTMKTEGLVTECK

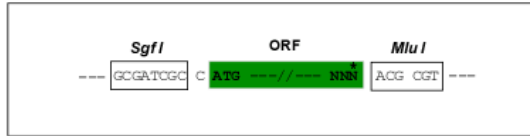
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

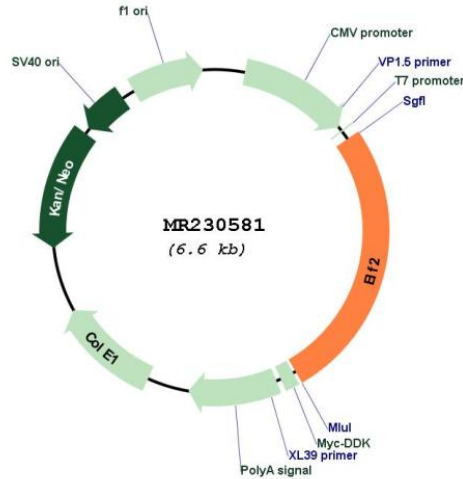
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001291059

ORF Size: 1743 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_001291059.1 , NP_001277988.1
RefSeq Size:	5864 bp
RefSeq ORF:	1746 bp
Locus ID:	69257
UniProt ID:	Q9JHC9
Cytogenetics:	3 C
MW:	62.4 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]