

Product datasheet for **MR209109**

Elf2 (BC092057) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elf2 (BC092057) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Elf2
Synonyms:	EU32, NERF, NERF-2, NERF-1A, NERF-1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209109 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCATCGGCGGTGTTGACAGCGGAGGCTCTGCTCTGGAGCTTCTAGCAATGGAGGAGAAAATCAAG
 AGGGAGGTGACACGGGCCCTGACTACCGGCAGTGATTGTGGAGCCAGTCCAGTGCGAGGTTAGAGCA
 GGGCTATGCTGCCAGGTGCTGGTCTATGACGACGAGACTTATATGATGCAGGATGTGGCGGAAGAACAG
 GAAGTTGAGACGGAGAATTCAGAAAACAGTGAAGCATCAGTTCACAGCAGTAATGCTCACTGTACGGATA
 AGACCATGAAGCTGCTGAAGCCCTGCTTCATATGGAATCTCCTACCTGCTTGAGGGATTCAAGAAGTCC
 TGAGTTTATCCATGCTGCGATGAGGCCGATGTCATCACAGAGACTGTAGTGGAGGTGCCACAGAAGAG
 TCTGAGCCGATGGATGCCTCGCCTATCCCTACTCACAGACAGCCACGAACCAATGAAAAAGAAAAAG
 TTGGCCGTAACCAAAGACCCAGCAGTACCAGTTTCCAATGGGTCTCCTGAGTTAGGAATCAAGAAGAA
 AGCCAGAGAAGGAAAAGGAAACACAACCTATCTGTGGGAGTTTCTTTTAGATTTGCTTCAAGATAAAAAT
 ACTTGTCCAGGTATATTAATGGACTCAGAGAGAAAAGGCATATTCAACTTGTGGACTCAAAGGCTG
 TCTCGAAGCTCTGGGGGAGCATAAGAACAACAGATATGAACTATGAAACCATGGGGCGAGCGTTAAG
 ATATTACTACAAAGGGGAATCTTGCAAAGGTTGAAGGACAGAGGCTTGTATATCAGTTCAAGGACATG
 CCCAAAAACATAGTGGTCATTGATGATGACAAAAGTGAGACCTGCCCTGAAGACTTGGCAGCAGCTGCTG
 ATGACAAGTCTTTAGAACGAGTGTCACTATCTGCAGAAAGTCTCCTGAAGGCAGCAACTGCCGTCGAGG
 TGGGAAAACTCATCTCCTCTGAACTGCTCCAGAGCAGAGAAGGGTGTGGCTAGAGTTGTGAACATCACC
 TCCCTACTCAGCAGGTTCTCCAGGCTCCTACTACCACTGCACCTGTGTGAGCAGCAGCAGCTCCAA
 GGACAGTTCGTGTGGCAATGCAAGTCCCTGTGGTAATGACCTCACTGGCCAAAAGATTTGAGCGGTGGC
 AGTTCAGTCAGTCAATGCAGGCACAGGCTCGCCGTTAATAACCAGCACCACTCCAGCCTCGGCCAGCTCT
 CAAAAAGTAGTCATCCAGACAGTCCCGACCGTGTGCGCGCTCCACTGAAAATGGAGACAGAATACCA
 TGCAGCCTGCCAAGATTACCCATCCCGCCACCCAGCTCGCACAGTGTCAACTGCAGGCAAAGTCAAA
 CCTGACGGGGTCAGGAAGCATTAACTTGTGAAACCCACTGGCTGTGAGGGCACTCACCCCTGTTTCA
 ATAGCCCACGGTACACCTGTAATGAGACTGTCTGTGCCTGCTCAGCAGGCTTCTGGCCAGACTCCTCCTC
 GAGTTATCAGTGCCTCCTAAAAGGGCCGAGGGGAAATCAGAAGCCAAAAGCAGGAACACGATGTGAA
 AACTTTGAGCTGGTAGAAGAGAAGGGGCAGACGGCAATAAGACAGTAACCCACGTAGTGGTCGTCAGT
 GCGCCGCTGCTATCGCCCTTCTGTGACTATGAAAACCGAAGGGCTAGTGACGTGTGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209109 protein sequence
 Red=Cloning site Green=Tags(s)

MASAVVDSGGSALELPSNGGENQEGDTPDYRAVIVEPVPSARLEQGYAAQVLVYDDETYMMQDVAEEQ
 EVETENSETVEASVHSSNAHCTDKTIEAAEALLHMESPTCLRDSRSPFIHAAMRPDVTITETVVEVSTEE
 SEPMDASPIPTSPDSHEPMKKKVGKPKTQQSPVSNQSPELGIKKKAREGKNTTYLWFLDLLQDKN
 TCPRYIKWTQREKGIKFLVDSKAVSKLWGHKNKPDMMNYETMGRALRYYYQRGILAKVEGQRLVYQFKDM
 PKNIVVIDDDKSETCPEDLAAAADDKSLERVSLAESLLKAATAVRGGKNSPLNCSRAEKGVARVNNIT
 SPTHDGSSRSPTTAPVSAAPRTVRVAMQVPVVMVMTSLGQKISAVAVQSVNAGTGSPLITSTSPASASS
 PKVVIQTVPTVMPASTENGDRITMQPAKIITIPATQLAQQLQAKSNLTGSGSINIVGTPLAVRALTPVS
 IAHGTPVMRLSVPAQQASGQTPPRVISALLKGPEGKSEAKKQEHQVKTLLVVEEKGADGNKTVTHVVVVS
 APSAIALPVTMKTEGLVTECK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: BC092057

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:

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: [BC092057](#), [AAH92057](#)

RefSeq Size: 3150 bp

RefSeq ORF: 1745 bp

Locus ID: 69257

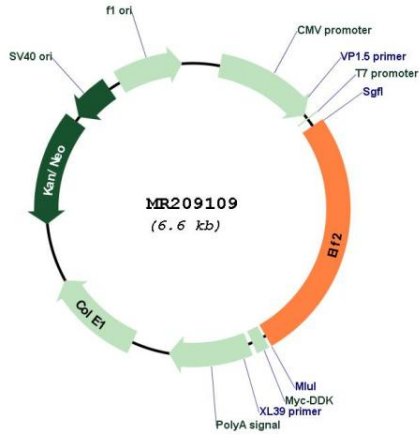
Cytogenetics: 3 C

MW: 62.1 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]

Product images:



Circular map for MR209109