

## Product datasheet for **MR230419**

### Elf2 (NM\_001291063) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Elf2 (NM_001291063) 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:**

>MR230419 representing NM\_001291063  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGAGCTCTCTGCATGAGGGACCCACGAACCAGCTGGATCTGCTCATCCGGGCCGTGGAAGCATCAG  
 TTCACAGCAGTAATGCTCACTGTACGGATAAGACCATTGAAGCTGCTGAAGCCCTGCTTCATATGGAATC  
 TCCTACCTGCTTGAGGGATTCAAGAAGTCTGTGGAAGTGTTCCTCCTTGTATATCAACTCCAGAG  
 TTTATCCATGCTGCGATGAGGCCGGATGTCATCACAGAGACTGTAGTGGAGGTGCCACAGAAGAGTCTG  
 AGCCGATGGATGCCTCGCTATCCCTACTTCACCAGACAGCCACGAACCAATGAAAAAGAAAAAGTTGG  
 CCGTAAACCAAAGACCCAGCAGTACCAGTTTCCAATGGGTCTCCTGAGTTAGGAATCAAGAAGAAAGCC  
 AGAGAAGGAAAAGGAAACACAACCTATCTGTGGGAGTTTCTTTTAGATTTGCTTCAAGATAAAAAACTT  
 GTCCCAGGTATATTAATGGACTCAGAGAGAAAAGGGCATATTCAAACCTGTGGACTCAAAGGCTGTCTC  
 GAAGCTCTGGGGGAAGCATAAGAACAACCCAGATATGAACTATGAAACCATGGGGCGAGCGTTAAGATAT  
 TACTACCAAAGGGGAATTCCTTGCAAAGGTTGAAGGACAGAGGCTTGTATATCAGTTCAAGGACATGCCCA  
 AAAACATAGTGGTCATTGATGATGACAAAAGTGAGACCTGCCCTGAAGACTTGGCAGCAGCTGCTGATGA  
 CAAGTCTTTAGAACGAGTGTCACTATCTGCAGAAAGTCTCCTGAAGGCAGCAACTGCCGTCGAGGTGGG  
 AAAAATCATCTCCTCTGAACTGCTCCAGAGCAGAGAAGGGTGTGGCTAGAGTTGTGAACATCACCTCCC  
 CTACTCACGACGGTTCCTCCAGGTCTCCTACTACCACTGCACCTGTGTCAGCAGCAGCAGCTCCAAGGAC  
 AGTTCGTGTGGCAATGCAAGTCCCTGTGGTAATGACCTCACTGGGCCAAAAGATTCAGCGGTGGCAGTT  
 CAGTCAGTCAATGCAGGCACAGGCTCGCGTTAATAACCAGCACCACTCCAGCCTCGGCCAGCTTCCAA  
 AAGTAGTCATCCAGACAGTCCCAGCCGTGATGCCGGCCTCAACTGAAAAAGGAGACAGAATCACCATGCA  
 GCCTGCCAAGATTATCACCATCCCCGCCACCCAGCTCGCACAGTGTCAACTCCAGGCAAAGTCAAACCTG  
 ACGGGGTCAAGGAGCATTAACTTGTGGAAACCCCACTGGCTGTGAGGGCACTACCCCTGTTTCAATAG  
 CCCACGGTACACCTGTAATGAGACTGTCTGTGCCTGCTCAGCAGGCTTCTGGCCAGACTCCTCCTCGAGT  
 TATCAGTGCCTCCTAAAAGGGCCGAGGGGAAATCAGAAGCCAAAAAGCAGGAACACGATGTGAAAACCT  
 TTGCAGCTGGTAGAAGAGAAGGGGGCAGACGGCAATAAGACAGTAACCCACGTAGTGGTCGTGAGTGC  
 CGTCTGCTATCGCCCTCCTGTGACTATGAAAACCGAAGGGCTAGTGACGTGTGAGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230419 representing NM\_001291063  
 Red=Cloning site Green=Tags(s)

MATSLHEGPTNQLDLLIRAVEASVHSSNAHCTDKTIEAAEALLHMESPTCLRDSRSPVEVFVPPCISTPE  
 FIHAAMRPDVITETVVEVSTEESEPMDASPIPTSPDSHEPMKKKVVGRPKTQQSPVSNQSPGELGKKA  
 REGKGNNTYLWEFLDLLQDKNTCPRYIKWTQREKGFKLVDSKAVSKLWGHKHNKPDMMNYETMGRALRY  
 YYQRGILAKVEGQRLVYQFKDMPKNIIVIDDDKSETCPEDLAAAADDKSLERVSLSAESLLKAATAVRGG  
 KNSSPLNCSRAEKGVARVNVNITSPHDGSSRSPTTTPVSAAPRTRVRVAMQVPVVMVMTSLGQKISAVAV  
 QSVNAGTGSPLITSTSPASASSPKVVIQTVPTVMPASTENGDRITMQPAKIIITIPATQLAQQLQAKSNL  
 TGSINIVGTPLAVRALTPVSIHGTTPMRLSVPAQQASGQTPPRVISALLKGPEGKSEAKKQEHVKT  
 LQLVEEKGADGNKTVTHVVVVSAPSAIALPVTMKTGLVTCEK

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



<b>ACCN:</b>	NM_001291063
<b>ORF Size:</b>	1599 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001291063.1</a> , <a href="#">NP_001277992.1</a>
<b>RefSeq Size:</b>	5495 bp
<b>RefSeq ORF:</b>	1602 bp
<b>Locus ID:</b>	69257
<b>UniProt ID:</b>	<a href="#">Q9JHC9</a>
<b>Cytogenetics:</b>	3 C
<b>MW:</b>	57.5 kDa
<b>Gene Summary:</b>	Probably transcriptionally activates the LYN and BLK promoters and acts synergistically with RUNX1 to transactivate the BLK promoter.[UniProtKB/Swiss-Prot Function]