

## Product datasheet for **RR200064**

### Elf2 (NM\_001012181) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Elf2 (NM_001012181) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Elf2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR200064 representing NM\_001012181  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGACGTCTCTGCATGAGGGACCCACGAACCAGCTGGATCTGCTCATCCGGCCGTGGAAGCATCAG  
 TTCACAGCAGTAATGCACACTGTACGGATAAGACCATTGAAGCTGCTGAAGCCCTGCTTCATATGGAGTC  
 TCCTACCTGCTTGAGGGATTCAAGAAGTCCCGAGTTTATCCATGCTGCGATGAGGCCAGATGTCATTACG  
 GAGACTGTAGTGGAGGTGTCAACAGAGGAGTCTGAACCAATGGATGCCTCGCCTATCCCTACTTCACCAG  
 ACAGCCACGAACCAATGAAAAAGAAGAAAGTTGGCCGTAACCAAGACCCAGCAGTCACCAGTTTCCAA  
 TGGGTCTCTGAGTTAGGAGTCAAGAAGAAAGCCAGAGAAGGAAAAGGAAACACAACCTATCTGTGGGAG  
 TTTCTTTTAGATCTGCTCAAGATAAAAACTTGTCCAGGTATATTAATGGACTCAGAGAGAAAAGG  
 GCATATCAAGCTGGTGGACTCAAAGGCTGTCTCGAAGCTCTGGGAAAGCATAAGAACAAACCAGACAT  
 GAACTATGAAACTATGGGGCGAGCTCTGAGATACTACTACAAAGGGGAATTCCTGCAAAGTTGAAGGA  
 CAGAGGCTCGTATATCAGTTCAAGGACATGCCCAAAAACATAGTGGTCATTGATGATGACAAAAGTGAGA  
 CTTGCCCGGAAGACTTGGCAGCAGCTGCTGATGACAAGTCTTTAGAACGAGTGTCACTATCTGCAGAAA  
 TCTCCTGAAGGCAGCAGCTGCCGTCCGAGGTGGGAAAACTCATCTCCTATGAACTGCTCCAGAGCAGAG  
 AAGGGTGTGACTAGAGTTGTGAACATCACTTCCCTGCTCACGATGCTTCATCCAGGTGTCTACCACCA  
 CAGCACCCGTGTGAGCAGCAGCAGCTCCAAGGACAGTTCGTGTGGCAATGCAAGTCCCTGTGGTAATGAC  
 ATCACTGGGTCAAAGATTTCCACTGTGGCAGTTCAGTCAGTCAATGCAGGCACACCATTAATAACCAGC  
 ACCAGTCCAGCTACAGCCAGCTCTCCAAAAGTAGTCATCCAGACGGTCCCGACTGTGATGCCAGCCTCCG  
 CTGAGAATGGAGACAGAATCACCATGCAGCTGCCAAGATTATCACCATCCCCGCTACCCAGCTTGCACA  
 GTGTGAGTGCAGACAAAAGTCAAATCTGACTGGGTGAGGAAGCATTAGCCTTGTGGAACCCCTGGCT  
 GTGAGAGCGCTCACCCCTGTTTCAATAGCCACGGTACACCTGTGATGAGACTATCTGTGCCCGCTCAGC  
 AGGCTTCTGGCCAGACTCCTCCTCGAGTTATCAGTGCAGTATAAAAAGGGCCAGAGGTTAAATCAGAAGC  
 CAAAAGCAGGAACACGATGTGAAAACCTTTCAGCTGGTAGAAGAAAAGGGGCAGACGGAATAAGACA  
 GTAACCCATGTAGTGGTTGTGAGTGCAGCTCTGCTATCGCCCTCCTGTGACTATGAAAACCGAAGGGC  
 TGGTGACGTGTGAGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200064 representing NM\_001012181  
 Red=Cloning site Green=Tags(s)

MATSLHEGPTNQLDLLIRAVEASVHSSNAHCTDKTIEAAEALLHMESPTCLRDSRSPEFIHAAMRPDVIT  
 ETVVEVSTEESEPMDASPIPTSPDSHEPMKKKVGKPKTQQSPVSNGSPELGVKKKAREGKGNNTYLWE  
 FLLDLLQDKNTCPRIKWTQREKGIKLVDSKAVSKLWGKHKNKPDMNYETMGRALRYYYQRGILAKVEG  
 QRLVYQFKDMPKNIIVIDDKSETCPEDLAAAADDKSLERVSLAESLLKAATAVRGGKNSSPMNCSRAE  
 KGVTRVNVITSPAHDASSRCPTTAPVSAAAPRTVRVAMQVPVVMVMTSLGQKISTVAVQSVNAGTPLITS  
 TSPATASSPKVVIQTVPTVMPASAENGDRITMQPAKIITIPATQLAQCLQTKSNLTGSGSISLVGTPLA  
 VRALTPVSIHGTVPVMSVPAQQASGQTPPRVISAVIKGPEVKSEAKKQEHDKVTLQLVEEKGADGNKT  
 VTHVVVVSAPSAIALPVTMKTEGLVTCEK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

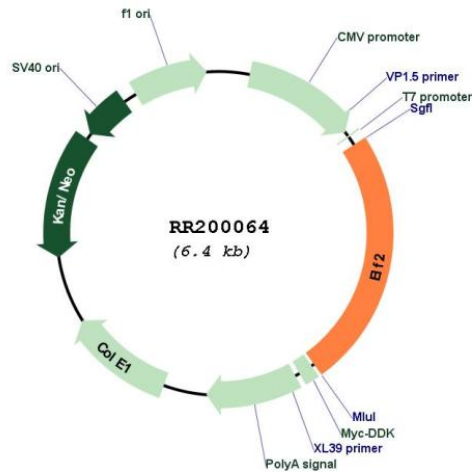
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_001012181

ORF Size: 1557 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:** [NM\\_001012181.2](#), [NP\\_001012181.1](#)

**RefSeq Size:** 3519 bp

**RefSeq ORF:** 1560 bp

**Locus ID:** 361944

**Cytogenetics:** 2q26

**MW:** 55.7 kDa