

## Product datasheet for **RR200063**

### Elf2 (NM\_001033909) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Elf2 (NM_001033909) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Elf2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR200063 representing NM\_001033909  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCATCAGCAGTGGTTGGCGCGGAGGCTCTGTTCTGGAGCTTCCAGCAATGGAGTAGAAAATCAAG  
 AGGGAGGGGACACGGTCCCTGAATTTCCGGCAGTGATTGTGGAGCCCGTCCCCAGTGCGAGGTTAGAGCA  
 GGGCTACGCTGCCAGGTGCTGGTGTATGACGATGAGACTTACATGATGCAGGATGTGGCGGAAGAACA  
 GAAGTTGAGACGGAGAATTCAGAAACAGTGAAGCATCAGTTCACAGCAGTAATGCACACTGTACGGATA  
 AGACCATGAAGCTGCTGAAGCCCTGTTTCATATGGAGTCTCTACCTGCTTGAGGGATTCAAGAAGTCC  
 CGTGAAGTGTTCCTCCTGTATATCAACTCCAGAGTTTATCCATGCTGCGATGAGGCCAGATGTC  
 ATTACGGAGACTGTAGTGGAGGTGTCAACAGAGGAGTCTGAACCAATGGATGCCTCGCTATCCCTACTT  
 CACCAGACAGCCACGAACCAATGAAAAAGAAGAAAGTTGGCCGTAACCAAGACCCAGCAGTACCAGT  
 TTCCAATGGGTCTCTGAGTTAGGAGTCAAGAAGAAAGCCAGAGAAGGAAAAGGAAACACACACTATCTG  
 TGGGAGTTTCTTTAGATCTGTTCAAGATAAAAAATACTTGTCAGGATATTAATAATGGACTCAGAGAG  
 AAAAGGGCATATTCAGCTGGTGGACTCAAGGCTGTCTCGAAGCTCTGGGAAAAGCATAAGAACAACCC  
 AGACATGAACTATGAACTATGGGGCGAGCTCTGAGATACTACTACAAAGGGGAATTCCTGCAAGGTT  
 GAAGGACAGAGGCTCGTATATCAGTTCAAGGACATGCCAAAAACATAGTGGTCATTGATGATGACAAAA  
 GTGAGACTTGCCCGAAGACTTGGCAGCAGCTGCTGATGACAAGTCTTTAGAACGAGTGTCACTATCTGC  
 AGAAAGTCTCTGAAGGCAGGACTGCCGTCGAGGTGGGAAAACTCATCTCTATGAACTGTCCAGA  
 GCAGAGAAGGGTGTGACTAGAGTTGTGAACATCACTTCCCCTGCTCAGTATCATCCAGGTGTCCCTA  
 CCACCACAGCACCCGTGTGAGCAGCAGCAGCTCCAAGGACAGTTGCTGTGGCAATGCAAGTCCCTGTGGT  
 AATGACATCACTGGGTCAAAGATTTCCACTGTGGCAGTTCAGTCACTCAATGCAGGCACACCAATTAATA  
 ACCAGCACAGTCCAGCTACAGCCAGCTCTCAAAGTAGTCATCCAGACGGTCCCGACTGTGATGCCAG  
 CCTCCGCTGAGAAATGGAGACAGAATCACCATGCAGCCTGCCAAGATTATCACCATCCCGCTACCCAGCT  
 TGCACAGTGTGAGCTGCAGACAAAGTCAAATCTGACTGGGTGAGGAAGCATTAGCCTTGTGGAACCCCC  
 CTGGCTGTGAGAGCGCTCACCCCTGTTTCAATAGCCACGGTACACCTGTGATGAGACTATCTGTGCCCG  
 CTCAGCAGGCTTCTGGCCAGACTCCTCCTCGAGTTATCAGTGGGTGATAAAAAGGGCCAGAGGTTAAATC  
 AGAAGCCAAAAAGCAGGAACACGATGTGAAAATTTGACGCTGGTAGAAGAAAAGGGGCGAGACGGAAT  
 AAGACAGTAACCCATGTAGTGGTTGTGAGTGGCCCTCTGCTATCGCCCTCCTGTGACTATGAAAACCG  
 AAGGGCTGGTACGTGTGAGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200063 representing NM\_001033909  
 Red=Cloning site Green=Tags(s)

MASAVVGGGGSVLELSSNGVENQEGDTPVEFPVAVIVEPVPSARLEQGYAAQVLVYDDETYMMQDVAAEQ  
 EVETENSETVEASVHSSNAHCTDKTIEAAEALLHMESPTCLRDSRSPVEFVPPCISTPEFIHAAMRPDV  
 ITETVVEVSTEESEPMDSPIPTSPDSHEPMKKKVGKPKTQQSPVSNQSPELGVKKKAREGKNTTYL  
 WEFLLDLLQDKNTCPRIKWTQREKGIKFLVDSKAVSKLWGHKKNKPDMMNYETMGRALRYYYQRI LAKV  
 EQRLVYQFKDMPKNIIVIDDDKSETCPEDLAAAADDKSLERVSLSAESLLKAATAVRGGKNSPMMNCSR  
 AEKGVTRVNNITSPAHDASSRCPPTTAPVSAAAAPRTVVRVAMQVPVMTSLGQKISTVAVQSVNAGTPLI  
 TSTSPATASSPKVVIQTVPTVMPASAENGDRITMQPAKIIITIPATQLAQCLQTKSNLTGSGSISLVGTP  
 LAVRALTPVSI AHGTPVMRLSVPAQQASQGTPPRVI SAVIKGPEVKSEAKKQEHVDKTLQLVVEEKADGN  
 KTVTHVVVVSAPSAIALPVTMKTEGLVTCEK

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

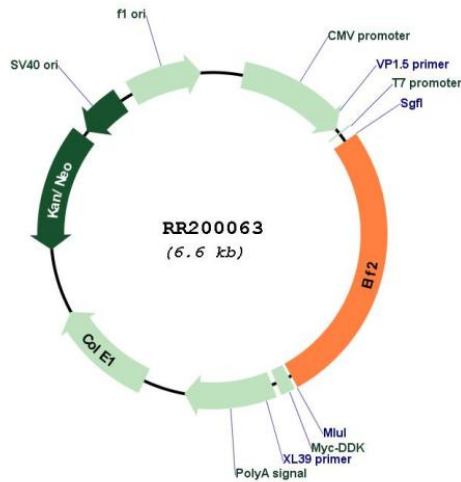
Cloning Scheme:

Cloning sites used for ORF Shuttling:



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

Plasmid Map:



ACCN:

NM\_001033909

<b>ORF Size:</b>	1773 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_001033909.1</a> , <a href="#">NP_001029081.1</a>
<b>RefSeq Size:</b>	3199 bp
<b>RefSeq ORF:</b>	1776 bp
<b>Locus ID:</b>	361944
<b>Cytogenetics:</b>	2q26
<b>MW:</b>	63.2 kDa