

## Product datasheet for **RR215054**

### Elf1 (NM\_053520) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Elf1 (NM_053520) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Elf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR215054 representing NM\_053520  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTGCTGTTGTCCAACAGAACGACCTAGTGTGTTGACTTTGCAAGCAACGTCATGGAGGATGAACAGC  
 AGCTTGCGGACCCCTGCCATATTTCTGCTGTCATTGTGGAACATGTTCTGGTGCCTGATATTCTCAATGG  
 TTATGCCGGGCTAGCCTGTGTGGAAGAACCCAATGACATGATTACTGAGAGCTCTCTGGATGTTGCTGAA  
 GAAGAAATCATAGAGGATGACGATGACGACATCACCCCTTACAGTCGAGGCCTCTTGTCACAATGGAGATG  
 AGACCATTGAGACCATTGGGGCTGCTGAGGCGCTCCTCAATATGGACTCTCTGGCCCTGTACTGGATGA  
 AAAGCGAATCAATAATAATATATTTAGCTCTTCTGAAGATGACATCGTTGCCCAATCACCCACGTGTCT  
 GTCACACTGGATGGGATTCCTGAGGTGATGAAACCCAGCAAGTGAAGAGTCCAATGCAGACTCCCCTG  
 GAGCCTCCTCCCAGAGCAGCCCAAGAGAAAGAAGGGAAGAAAAACAAAACCACCAGCAGATCCCCC  
 GGCCACTACACCAATATATCTGTGAAAAAGAAAAGTAAAGACGGGAAGGAAACACAATTTACCTTTGG  
 GAGTTTTTACTGGCTCTGCTTCAGGACAAAGCTACCTGTCTTAAGTACATCAAATGGACACAGCGAGAAA  
 AAGGCATTTTTAAGTTGGTTCGACTCTAAAGCTGTGTCCAGATTATGGGGGAGCACAAAAACAACTGA  
 CATGAACTATGAGACCATGGGGCGAGCACTCAGGTAATTTACCAAGAGGTATTCTTGCAAAAGTGAA  
 GGTGAGCGCTTGGTGTATCAGTTTAAAGAAATGCCAAAAGACCTTATCTACATAGACGATGAGGGTCCAA  
 GTTCCAGCACAGAGTCTTCAAGTCCAGGAATAAAGGAGGGGCCACTACAATTTAAAACAGGGAATCCATAA  
 AACAAGAAATGTCTTCAAGTCCAGGAATAAAGGAGGGGCCACTACAATTTAAAACAGGGAATCCATAA  
 GTTGCAAAACCCAAAGACACCGTGAAGTTGGGAGCCTTCAGAAGTTTTGAGGACAGTGCAGCCCTCAC  
 AGGCTCCCTATCCTACCCAGCTCTTCCGGACTGTCCATGTGGTACAGCCAGTACAAGCCATCCCCGAAGA  
 AGCAACCATAACCCAGCACCATGCAGGAGGAAGCTGCAGGTTCTTCAAGTTCAGGGCATTAGGACGATACAG  
 GCTTCAACCCAGGTTCCAGTAGTCGTCTCTGGCAACCAACAGCTACATACAGTAACACTCCAGACAG  
 TGCCACTCACAACGGTTATAGCCAGCACAGACCCGTCATCAGGTGCAGGGCCGAGAAAATTTATTTTACA  
 AGCCATTCATCATCACAGCCATGACAGTACTGAAAGAAAACGTCCTGTACAGTCACAGAAGCCGGGC  
 TCTCTCTTCAATCGTCTTCAAGCCTACCCAGTACAGCAGGTCCTACGGGCAGCGTTCACTCCCTTG  
 GCAATGGAGCTGTCAAGTATGGCTTACCTCCAACTTCAAGTGTACCGCACCTGTGGTACTTTCTCTCG  
 GAGCTCACAGCTGGCTGCACACCACCAGGACCGTGATCAGTCTGTTATCAAAGCTCAGGAAACAAAA  
 ACTCCTAAAGCAGAGGTGGAGAAAAGGCTGAAGGTCATTTGAATGGAGACCCTGAGGAAATGAACAGC  
 AGCCCCAGCCTTATGTGATGGTGGTGTCCAGTTCAAATGGGTTTTCTCTCAGGTAGCCATCACACAGAA  
 TGAAGTGTAGAGCCAGCTCTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR215054 representing NM\_053520  
 Red=Cloning site Green=Tags(s)

MAAVVQNDLVDFASNVMEDEQQLGDPAIFPAVIVEHVPGADILNGYAGLACVEEPNDMITESSLDVAE  
 EEIIEDDDDDITLVEASCHNGDETIETIGAAEALLNMDSPGPVLDKRIINNIFSSSEDDIVAPITHVS  
 VTLDGIPVEMETQVQVESNADSPGASSPEQPKRKKGRKTKPPRPDSPATPNISVKKKSKDGKGNITYLW  
 EFLALLQDKATCPKYIKWTQREKGIKFLVDSKAVSRLWGKHKNKPDMMNYETMGRALRYYYQRGILAKVE  
 GQRLVYQFKEMPKDLIYIDDEGPSSSTESSDQLSSTTTSSRNQANRTRMSSSPGIKGGATTILKPGNPK  
 VAKPKDVEVGPSEVLRTVQPSQAPYPTQLFRTVHVVPVQAIPEEATITSTMQEEAAGSSVQGITIQ  
 ASTQVPVVVSPGNQQLHTVTLQTVPLTTVIASTDPSSGAGPQKFIHQIPSSQPMTVLKENVLLQSQKPG  
 SPPSIVFSPTPVQQLTGSVQSLGNGAVSMASPPNF SATAPVVVTF SRSSQLAAHPPGTVITSVIKAQETK  
 TPKAEVEKKAEGHLNGDPEEIEQQPQPYVMVSSSNGFSSQVAITQNELLEPSSF

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_053520

ORF Size: 1845 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\\_053520.2](#), [NP\\_445972.2](#)

RefSeq Size: 2504 bp

RefSeq ORF: 1848 bp

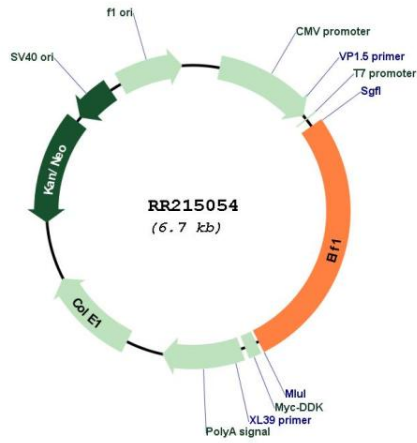
Locus ID: 85424

Cytogenetics: 15q12

MW: 66.3 kDa

**Gene Summary:** inhibits Fc epsilonRI alpha chain expression; D. melanogaster homolog transactivates Pem homeobox gene expression [RGD, Feb 2006]

**Product images:**



Circular map for RR215054