

Product datasheet for **RR217068**

Elf4 (NM_001191735) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elf4 (NM_001191735) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Elf4
Synonyms:	RGD1560743
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR217068 representing NM_001191735
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTATTGCCCTGCAGCCAGCGATCTGGTCTTTGAGTTCGCAAGCAACGGGATGGATGATATCCACC
 AGCTGGAAGACCCCTTCAGTGTTCCAGCTGTGATCGTGGAACAGGTCCCTATCCTGAATTAGTACATCT
 GACTCAGGACTGGATCTGGATGAAGTCCACAGTGGCATTACATAAGGGACAGGACCTTGTGCATGACACAG
 GATCAGATCTTAGAAGGCAGTATTTGCTGACAGATGACAATGTGTCCACCTCAAATAACTCGTCATCTA
 CTGAAGTCCTATTCAATGTGGCAACTCCAGTGATGTCTGGATGAGAAGCAGATCTTCAGCACACCCGGA
 AGTGCTCCAGACTCCAACCTCTGTTCCAGCCATCAATCTGCCAACTTCTGCTTTCCACCCCTGAACCT
 GATGACCCAAAGAAGACAAGTGTGCTGGTGACCAGAAGGAGTATTCTCTGGAGGAGTTCCAGAGAGG
 AAAATCTTAGGAAGATTGGGAAGTACGGAAGAGAAAACCGAAAGACAAAGAACAACCGAAGTACCTCACC
 TGTCACTGACCCAGCGTCCCATCCGGAAGAAATCCAAGGATGGCAAAGGCAGCACCATTTATCTGTGG
 GAGTTCCTCTGGCTCTTCTGCAAGATAGAAACACCTGCCCAAATACATCAAGTGGACGACGAGGAGAGA
 AAGGCATCTTCAAGTTGGTGGACTCCAAAGCTGTGTCCAAGCTGTGGGGCAAGCAGAAAAACAACTCTGA
 TATGAACTATGAGACTATGGGGCGGCCCTAAGATATTACTATCAGAGAGGAATCCTGGCCAAAGTGGA
 GGGCAGAGGCTGGTATACCAGTTCAAGGAGATGCCTAAGGACTTGGTGGTATTGACGATGAGGAGGAGA
 GTACTGAAACACCAGAAGACTCTCCAGGCCCTACTTCTCCACACCTCTACCAGTACCACCCGGAG
 ACCCAGCTCCAGGTTGTAAACAGAGCCTCCCCGAGGACAAGGATAGTCCTTCTGGGAGAAGCCAAAG
 GTTGAACACACTGGTCTCCAGCCCTCTGCAAGCCTGGAGTTAGGATTATCTGTGGATGAGGAGTCCCGA
 CTACCTCCACCATGATTGTGCTCAGTCCACTACAGAGCCAGGCCAAGCCCGCCAAAACCTGTGACTTTCAGC
 GCCCAGTAACATCCACCTAGGAGTAGCCCCAGTGGGGCCCGGCTCCACGGTTACCCTGCAGACCATCCCA
 CTGACTACGGTGTGACCAATGGCCTCTGCCGTAATACTGCTCCTGCTCAGCTCGTTCTTCAGAGTG
 TCCACAGGTGTCAACGTTCAAGGACACCTCACTTTGCAGACTTCTTTCCCTGAATGCCAGTTTGCA
 AGAGAACCAGGTGGCAACCCAAGGGACCCATTGATCCTCAGTGGTCTCCCCAACTTCTGGCCGGGGCC
 AACCATCAGAGCAACCCGGTAACATCCCAGGTATAGGTGCTGGGTGAGCAGGACCCAGCTCTCAGCCCC
 CTGGGACTGTATTGCTGCCTTTATCAGGACTTCTAATGGCACTTCAGTGCCTGTGGTTAAGGAGGGGCC
 CTTGAGGTCTCTCATATGTGCAGGTGTGGTAACTGGGGCCCCAGTGGAGGGGCTGTTGGTCCCTGAA
 GAGACCCTAAGAGAGCTCCTGAGAGATCAGGCTCATCTTCAGCCACTTCAGAGTCAGGCGCTCTCAAGAG
 GTTCCCATAACCTGAGCCTTGTGGGAACAGACTTTATCTCCCCCTAGCCACCCCACTGTTGGGCTAAC
 TCCGGTGGCTGAACTTGAGCTCTCATCCAGCTCAGGGTCCCTGTTGGTAACTGAGCCTAATATGACCACA
 TCTGGGAGCCTGCTGACCAGATCCCCACCCAGGCCCTTTCTCCCCATTCAATCCCACTTCCCTCATT
 AGATGGAGCCCCATGACATA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217068 representing NM_001191735
Red=Cloning site Green=Tags(s)

MAIALQPSDLVFEFASNGMDDIHQLEDPSVFPVIVEQVPYPELVHLYSGLDLDEVHSGIIRDRTLCTMQ
 DQILEGSILLTDDNVSTSNSSSTEVL FNVATPSDVLDEKQIFSTPEVLPDSNSVQAINLPNLLSTPEP
 DDPKKTSDAGDQKEYSLEEVSREENLRKIGKSRKRNRKTKNNRSTSPVTDPSVPIRKKSKDGKSTIYLW
 EFLALLQDRNTCPKYIKWTQREKGIKFLVDSKAVSKLWKGQKNKPDMMNYETMGRALRYYYQRGILAKVE
 GQRLVYQFKEMPKDLVVIDDEEESTETPEDSSQASTSSTPSTSTRRPSRVVTRASPEDKSPSWEKPK
 VEHTGLQPSASLELGLSVDEEVPTTSTMI VSP LQSQA KPAKT VST SAPSNIHLG VAPVPGSTVTLQTIP
 LTTVLTNGPPAGTTAPAQLVLQSVQVSTFKDTLTLQTSFPLNASLQENQVATQGTPLILSGLPQLLAGA
 NHQSNPVT SQVIGAGSAGPSSQPPGTVIAAFIRTSNGTSVPVVKEGPLRSSSYVQGVVTGAPVEGLLVPE
 ETLRELLRDQAHLP LQS QALSRGSHNLSLVGNQTLSPPSHPTVGLTPVAEELSSSSGSLLVTEPNMTT
 SGSLLTRSPTQAPFSPFNPTSLIKMEPHDI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001191735

ORF Size: 1980 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_001191735.1](#), [NP_001178664.1](#)

RefSeq Size: 2448 bp

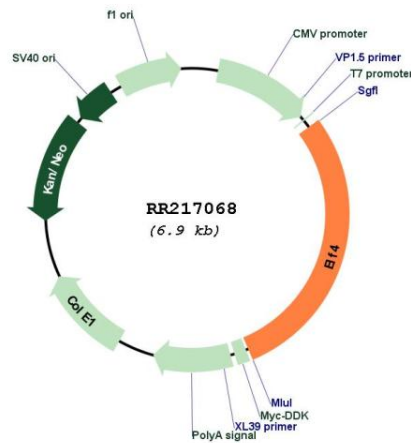
RefSeq ORF: 1983 bp

Locus ID: 302811

Cytogenetics: Xq36

MW: 71.3 kDa

Product images:



Circular map for RR217068