

Product datasheet for **RR215667**

Tbx4 (NM_001107034) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbx4 (NM_001107034) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbx4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR215667 representing NM_001107034
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCAGGATAAGGGCCTGTCCGAGAGCGAGGAGGCCTTCAGGGCCCCGGGCCAGCTCTCGGGGAAA
 CCAGCAACAGCAACAACCAACGTCCCGAACCCGCGCTGGCCACGCCGGTCTTAGTGGAACAGCGCT
 CAGCAGCCCCCGGGCCAGGGCGCCGACGTCGCGCAGCCGAGCCGCCGCCGCCGCCGCCGCGGAGCAG
 ACCATCGAGAACATCAAGGTGGGGCTGCATGAGAAGGAGCTGTGGAAGAAGTTCCACGAGGCAGGCACGG
 AGATGATCATACCAAGGCCGCGCAGGAGAATGTTCCCGAGCTACAAGGTAAGTACACAGGCATGAACCC
 CAAGACCAAGTACATACTACTCATCGACATTGTCCTGCGGATGACCATCGCTACAAGTTCTGTGACAAC
 AAATGGATGGTTGCTGGGAAGGCTGAGCCAGCCATGCCAGGGAGGCTCTATGTCCACCCGGATTCTCCTG
 CCACTGGGGCCCACTGGATGCGGCAGTTGGTCTCTTTCCAGAAGCTGAAGCTGACAAAACAACCACCTGGA
 CCCCTTTGGCCACATCATCTCACTCCATGCATAAGTACCAACCTCGGCTGCACATCGTTAAGGCCGAT
 GAGAACAATGCTTTTGGCTCCAAAAACACAGCCTTTTGCACCCACGTGTTCCAGAGACCTCCTTATCT
 CCGTGACCTCCTACCAGAACCACAAGATCACACAGCTGAAAATCGAGAACAACCCCTTTTGCCAAGGGATT
 CCGGGGACGTGATGACAGTGACCTGCGCGTGGCCCGGTTACAGAGCAAGGAGTATCCAGTGATCTCCAAA
 AGCATCATGAGGCAGAGGCTCGTTTCCAGCCAACCTCTCGGCTAAGCCGGATGTCAGCCCCCTGCACAGCA
 CACACCAGGCTCTGCAGCACTACCAGTATGAGAATGGGGCCACATGCAGTTTGTGCTGCAGAGCCCCA
 GGACCTGCCCCCAACACCTTCCCAACGCAGAGGGATTCTAGCCTCTTCTACCACTGCCTGAAGCGGAGA
 GATAGTGCCCGCCACCTGGACTGCCCCTGCAAGCGATCCTACCTGAAACTCCCTCTTTCAGTGGGGGACG
 ATCACTATTTCCGTTCTCCCCCTCCCTACGACCAGCAGATGCTGAGCCCTTCTATTGCACTGAGGTGAC
 CCCCAGAGAAGCCTGTATGTACTCGAGTTCAGGGCCTGAGATCGCAGGGGTGTCTGCCGTGGACGACTTG
 CCCCCACCTCCACTGAGCTGTAACATGTGGACGTCGGTGTACCATAACCCAGCTACAGCGTTTCAGACCA
 TGGAGACTGTGCCTTACCAGCCCTTCCCAACACTTCCCGCCACCACGATGATGCCTCGGCTGCCCAT
 TGCCGCCCAGAGTGCCCGCCACCAGGAAACGCCCACTTTAGTGTGTACAATCAGCTATCCAGTCTCAG
 GTCCGAGAGCGAGGTCCCTCTGCTTCTTTCCCTAGAGAGCGTGGCCTCCCTGCGGTGTGTGAGAGGAAGC
 CACCCTCACCTCACCTGAACACTGCCAACGAGTTCCTCTACTCACAGAGCTTCTCTTTGACCCGAGAGTC
 ATCCTTACAGTATCATTAGGAATGGGGACTGTCGACAACCTGGACTGATGGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215667 representing NM_001107034
 Red=Cloning site Green=Tags(s)

MLQDKGLSESEEAFRAPGALGETSNSNNTNVPEPALATPGLSGTALSSPPGQGADVAAAAAAAAAAAEQ
 TIENIKVGLHEKELWKKFHEAGTEMIITKAGRRMFPSYKVKVTGMNPKTKYILLIDIVPADDHRYKFCDN
 KWMVAGKAEPAMPGRLYVHPDSPATGAHWMRQLVSFQKLKLTNNHLDPFHGHIILNSMHKYQPRLHIVKAD
 ENNAFGSKNTAFCTHVFPETSFISVTSYQNHKITQLKIENNPFAKGRGSDSDLRVARLQSKEYPVIKSK
 SIMRQRLVSSQLSAKPDVSPHSTHQALQHYQYENGAMQFAAAEPQDLPLNTFPTQRDSSLFYHCLKRR
 DSARHLDLPCRSYLETPSSVGDHYFRSPPPYDQMLSPSYCSEVTPREACMYSSSGPEIAGVSAVDDL
 PPPPLSCNMWTSVSPYTSYSVQTMETVPYQPFTHFTATTMMPRLPIAAQSAQPPGNAHFSVYNQLSQSQ
 VREERGSAFPRERGLPAVCERKPPSPHLNANEFLYSQSFSLTRESSLQYHSGMGTVDNWTDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

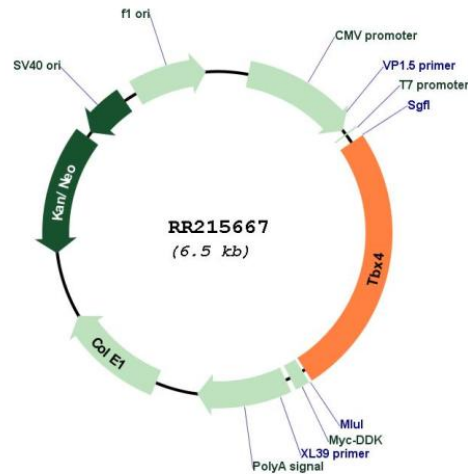
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001107034

ORF Size: 1662 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_001107034.1](#), [NP_001100504.1](#)

RefSeq Size: 3254 bp

RefSeq ORF: 1665 bp

Locus ID: 303399

Cytogenetics: 10q26

MW: 61.4 kDa