

Product datasheet for **RR210743**

Tbx1 (NM_001108322) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbx1 (NM_001108322) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbx1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR210743 representing NM_001108322
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCACCTTCAGTACAGTACCAGGGACATGGAAGCCTTCGCGGCCAGCAGTCTGAGCGGCCCTGGGAGCCC
 CGTCGCCTGGCGCCGACCCGTTTCGGCCCTCGGGAGCCGCCGCCACCGCGCTACGACCCGTGCACCCGTGC
 CCCCAGTCCCGGGCCCGCCGCTCCGCCGCGCGCTACCCCTTCGCGCCCGCCCGGGGCGGTAGC
 AGCTCGCGCGGGAGTCCGAGGGTCTGGGGCTAGCCGCGCGCCGCGGCCAAGCGCCGGTGAAGAAGA
 ACCCAAAGGTGGCCAGCGTGAGCGTGCAGCTGGAATGAAGGCGCTATGGGACGAGTTCAATCAGCTGGG
 CACCGAGATGATCGTACCAAGGCAGGCAGACGAATGTTCCACCTTCCAAGTGAAGCTTTTTGGAATG
 GACCCGATGGCTGACTACATGCTCCTCATGGACTTTGTGCCTGTGGATGACAAGCGCTACCGGTACGCTT
 TCCACAGCTCCTCTGGCTGGTGGCTGGCAAGGCAGATCTGCCACCCCTGGCCGAGTGCCTACACCC
 GGACTCGCCCGCAAGGGCGCGCAGTGGATGAAGCAGATCGTATCTTTCGACAAGCTGAAGCTACCAAT
 AACCTGCTGGACGACAATGGCCACATTATCTTAACTCCATGCACAGATACCAGCCCGTTTCCATGTTG
 TTTATGTGGACCTCGAAAAGACAGCGAGAAATACGCAGAGGAGAACTTCAAACCTTTGTGTTGAGGA
 GACACGCTTCACTGCAGTACCAGCTACCGAATCACCAGTACACGAGCTTAAGATTGCCAGCAACCCC
 TTCGCAAAGGCTTCGGGACTGCGACCCGAGGACTGGCCCCGAAACCACCGCCCGGAGCGCTGCCGC
 TTGTAAGTGCCTTTGCTCGCTCTCGAATCCCGTGGCTTCCCCACGCAGCCCAACGGAGCGGACAAAGA
 TGTGGCAGAAGCCCGCGCGAGTTCGACCGTACTCTGGACCCGAGCGCTCGGCGACGCCACGCACCCG
 CCGCAGCTGCTGGCGCGGTGCTGAGCCCCGACTGCTGGGCCCTGGTGGCTCGTCCCGCTACCTGGCG
 GATCCGGAGGCCCGCACAGTCCCCGCGCAGCTGATCTGCGCTGGAGGCTCCGGGCGCATCCGAACCGCT
 GCACCACATCCCTACAAGTACCCGCGCGCCCTACGACCACTACCTCGGGGCCAAGAGCCGCGCCGCG
 CCCTACCGCTGCCAGGCTGCGCGGCCACGGCTACCACCCACATGCGCACCCGACGCGCACCCGACCC
 ACCACCACCCCGCGGTGAACCCGCGCCGCGCGCGCGCAGCAGCAGCAACGTGTAATCTCTCCT
 GGCGCCCGCGCCCGGTGCCTACGACTACTGCCCCAGA

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210743 representing NM_001108322
 Red=Cloning site Green=Tags(s)

MHFSTVTRDMEAF AASSLSGLGAPSPGADPF GPREPPPPRYDPCTAAPGAPGPPPPPRAYPFAPAPGAAS
 SSAAESEGPGASRAAAKAPVKKNPKVASVSVQLEMKALWDFNQLGTEMIIVTKAGRRMFPTFQVKLFGM
 DPMADYMLLMDFVPVDDKRYRYAFHSSSWLVAGKADPATPGRVHYHPDSPAKGAQWMKQIVSFDKLLTN
 NLLDDNGHIILNSMHRYQPRFHVVYVDPKRDSEKYAEENFKTFVFEETRF TAVTAYQNHRIQLKIASNP
 FAKGFRDCDPEDWPRNHRPGALPLVSFAFRSRNPVASTQPNGADKDVAEARREFDRDSGPAALGDATHP
 PQLLARVLSPALPGPGGLVPLPGGSGGRHSPPHADLRLEAPGASEPLHHHPYKYPAAAYDHYLGAISRPA
 PYPLPGLRGHYHPHAHPAHPHHHPAVNPAAAAAAAAAANVYSSAAAPPAYDYCPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001108322

ORF Size: 1440 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_001108322.1](#), [NP_001101792.1](#)

RefSeq Size: 1855 bp

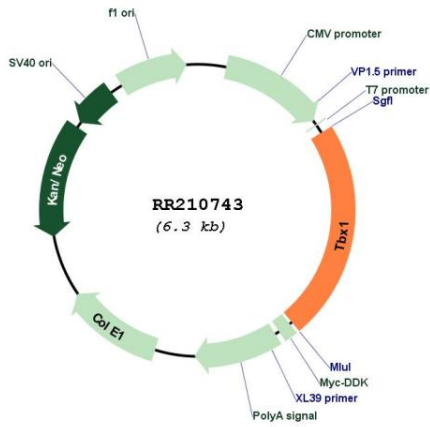
RefSeq ORF: 1443 bp

Locus ID: 360737

Cytogenetics: 11q23

MW: 51.8 kDa

Product images:



Circular map for RR210743