

Product datasheet for **MR224937**

Tbx6 (NM_011538) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbx6 (NM_011538) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbx6
Synonyms:	rv
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224937 representing NM_011538
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTACCATCCACGAGAGTTGTACCCTCCCTGGGACTGGCTACCGTCTGGGACACCCAGCCTGGG
 CAGACTCCACCTCCACCTGCCCTGACAGAGGGTTACCGCTACCCTGATTTGGATACTTCTAAACTGGA
 TTGCTTCTCTCTGGGATCGAGGAGCTCCACACTCTGGCTGCAGCCGCTCCTTTGCCCTTCTCCCA
 TCTGCTCTGGGCCCGAGACAGCACCGCCACCCAGAGGCCCTTCACTCGCTTCTGGGTGAGCCTGA
 GCTTGGAGAACCAGGAAGTGTGGAAGGAATTCAGCGCTGTGGGACAGAGATGATCATCACCAAGGCTGG
 CAGGCGCATGTTCCCTGCTTCCGAGTATCAGTCACTGGCCTGGACCCAGAGGCCGCTACTTGTTCCT
 CTGGATGTGGTCCAGTGGATGGGGCCGATACCGCTGGCAGGGCCAGCACTGGGAGCCAAGTGGCAAGG
 CTGAACCCCGCTACCCAGCGTGTCTACATTCACCCTGACTCTCCTGCCACTGGTGCCACTGGATGCC
 GCAGCCCGTATCCTTCCATCGTGTAAAGCTCACCAACAGCACACTGGACCCCATGGCCACTGATCTTG
 CACTCGATGCACAAGTACAGCCTCGCATCCACCTGGTGAGAGCCACCAACTATGCAGCCAACACTGGG
 GGGGTGTGGCCTCCTTCCGATTTCTGAGACCACATTCATCTCTGTGACAGCCTACCAGAACCCTAGGAT
 CACACAGCTGAAGATCGCAGCCAATCCCTTTGCCAAAGGTTTCCGAGAAAATGGCAGAACTGTAAGAGG
 GAGCGGGATGCCCGTGTGAAGAGGAAACTTCGGGGCCAGAGCCAGTGGCCACAGAGGCCTGTGGGAGTG
 GGGATACACCAGGGGGTCCCTGTGACTCCACCTGGGTGGGGACATTCGGGACTCAGATCCAGAGCAGGC
 CCCAACCCCCAGGAAGCTGCTTCTGCCTCAGCTCCTCCATGTGGGGGCCAGTGTGAGGCCTACCTT
 CTACACCTGCCGCTTTTCATGGCGCCCCAGTCACTACCAGCCAGGACCCAGCTTCGCTGAGGCTC
 CAGACCCTGGGGCCAGCCCCCTACTCAGCTGCATTTCTGGACCTACAGCCTGGACCCAGGGGGCTCTGC
 CTATCAGGCAGCTCCATCTGTACCATCCTTTGCCCCACACTTCATCCAAGGGGTCCCTTCCCTCTACCG
 TACCCAGGACCTGGAGGTTATCTGGACATGGGATCCAAGCCAATGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224937 representing NM_011538
 Red=Cloning site Green=Tags(s)

MYHPREL YPSLGTGYRLGHPQPGADSTFPPALTEGYRYPDLDTSKLDCFLSGIEAAPHTLAAAAPLPLLP
 SALGPETAPPPPEALHSLPGVLSLENQELWKEFSAVGTEMIITKAGRRMFPACRVSVTGLDPEARYLFL
 LDVVPVDGARYRWQGHWEPSGKAEPRLPDRVYIHPDSPATGAHWMRQPVSFHRVKLTNSTLDPHGLIL
 HSMHKYQPRIHLVRATQLCSQHWGGVASFRRPETTFISVTAYQNPRITQLKIAANPFKGFRENGRNCKR
 ERDARVKRKLRGPEPVATEACGSGDTPGGPCDSTLGGDIRSDPEQAPTPQEAASASAPPCGGPSAEAYL
 LHPAAFHGAPSHLPARTPSFAEAPDPGRPAPYSAFLDLQPGPGGSAYQAAPSVPSPFAPHF IQGGFPFLP
 YPGPGGYLDMGSKPMY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9038_f10.zip

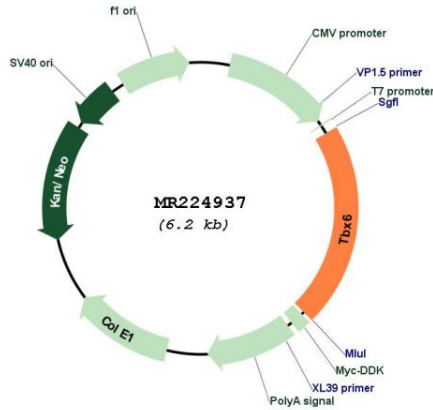
Restriction Sites:

SgfI-MluI

MW: 47.5 kDa

Gene Summary: T-box transcription factor that plays an essential role in the determination of the fate of axial stem cells: neural vs mesodermal. Acts in part by down-regulating, a specific enhancer (N1) of SOX2, to inhibit neural development. Seems to play also an essential role in left/right axis determination and acts through effects on Notch signaling around the node as well as through an effect on the morphology and motility of the nodal cilia.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224937