

Product datasheet for MR229109

Tbx20 (NM_001205085) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbx20 (NM_001205085) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbx20
Synonyms:	9430010M06Rik; AL022859; Tbx12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229109 representing NM_001205085 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGTTCACGGCGTCGCCAAGCCCCAGCTCTCCTCTCGAGCCAATGCCTTCTCCATCGCCGCGCTTA
TGTCAGCGCGGCCCAAGGAGAAGGAGGCAGCAGAGAACACCATCAAACCCCTGGAACAATTTGTGGA
GAAATCATCATGTGCCAGCCACTGGGTGAGCTGACGAGTCTGGATGCTCACGCGGAGTTTGGCGCGGG
GGCGGCAGCCATCCTCATCCTCTCTGTGCACAGAGCCACTGATACCCACCACCCCATCATCCCCAGCG
AAGAGATGGCTAAAATCGCTGCAGCCTGGAAACGAAGGAGCTCTGGGACAAATCCATGAACTGGGCAC
GGAGATGATAATCACCAAGTCTGGCAGGAGGATGTTCCCCACCATCCGCGTGTCATTTTCTGGAGTGGAT
CCTGAGTCCAAGTATATAGTCCTGATGGACATCGTCCCGGTGGACAACAAGAGATACCGCTATGCCTACC
ACCGGTATCCTGGCTGGTGGCTGGCAAAGCTGATCCCCCGTGCCAGCCAGGCTCTACGTGCACCCAGA
CTCCCCCTTTACTGGCGAGCAGCTCCTCAAACAGATGGTGTCTTTTGGAAAGGTGAAGCTACCAACAAT
GAACTGGATCAACACGGCCATATAATTTTGAATTCAATGCATAAGTACCAGCCACGGGTGCATCATAA
AGAAGAAAGACCACGGCCTCCTTGCTCAATCTGAAGTCAGAAGAATTCAGGACGTTTCATCTTTCCAGA
GACAGTTTTTACAGCAGTCACAGCCTACCAGAACCAACTGATAACCAAGCTGAAAATAGACAGCAATCCG
TTTGCCAAAGGATTCCGGGACTCCTCCAGGCTCACTGACATTGAGAGGGACCTTTGAAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229109 representing NM_001205085
 Red=Cloning site Green=Tags(s)

MEFTASPKPQLSSRANAFSIAALMSSGGPKKEKAAENTIKPLEQFVEKSSCAQPLGELTS LDAHAEFGGG
 GGSPSSSSSLCTEPLIPTTPIIPSEEMAKIACSLETKELWDFHELGTMIITKSGRRMFPTIRVSFSGVD
 PESKYIVLMDIVPVDNKRYRYAYHRSSWL VAGKADPPLPARLYVHPDSPFTGEQLLKQMVSEKVKLTNN
 ELDQHGHIILNSMHKYQPRVHI IKKKDHTASLLNLKSEEFRTFIFPETVFTAVTAYQNQLITKLIKIDSNP
 FAKGFRDSSRLTDIERGPLKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

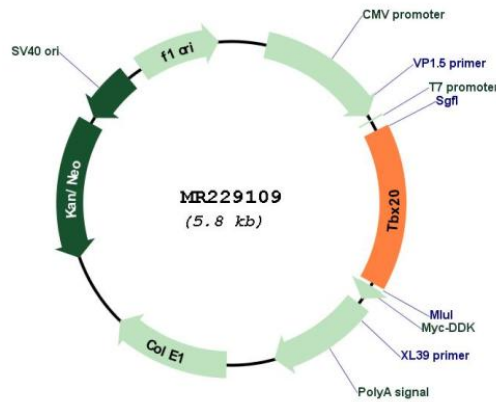
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001205085

ORF Size: 903 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:	<ol style="list-style-type: none">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_001205085.1 , NP_001192014.1
RefSeq Size:	1427 bp
RefSeq ORF:	906 bp
Locus ID:	57246
UniProt ID:	Q9ES03
Cytogenetics:	9 A4
MW:	34 kDa
Gene Summary:	Acts as a transcriptional activator and repressor required for cardiac development and may have key roles in the maintenance of functional and structural phenotypes in adult heart. [UniProtKB/Swiss-Prot Function]