

Product datasheet for **MG226837**

Tbx3 (NM_198052) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbx3 (NM_198052) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tbx3
Synonyms:	D5Ertd189e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG226837 representing NM_198052
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGCCTCTCCATGAGAGATCCGGTTATCCCTGGGACAAGCATGGCCTATCATCCCTTCTACCTCACC
 GGGCGCCGGACTTCGCCATGAGCGCGTACTGGGCCACCAGCCGCTTTCTTCCCGCGCTAACCGTGCC
 TCCCAACGGCGCCGCGGCTCTCGCTCCCGGAGCTCTGGCCAAGCCATCATGGATCAGTTAGTGGGG
 GCTGCTGAGACCGGCATCCCTTCTCATCCCTGGGACCCAGGCACATCTGAGGCCTCTGAAGACCATGG
 AACCCGAAGAAGACGTAGAAGATGACCCTAAGGTGCACCTGGAGGCCAAGGAACTTTGGGACCAGTTTCA
 CAAGCGGGGTACAGAGATGGTATCACGAAGTCAGGAAGGCGAATGTTCCCTCCGTTTAAAGTGAGGTGC
 TCTGGACTGGATAAAAAGCCAAGTATATTTTATTGATGGACATTATAGCTGCTGACGACTGTGATATA
 AATTTACAACCTCTCGGTGGATGGTGGCCGTAAGGCAGACCCCGAAATGCCAAAGAGAATGTATATACA
 CCCGGACAGCCCGCTACGGGGAGCAATGGATGTCAAAGTCGTCACCTTCCACAACTGAACTCACC
 AACACATATCGGATAAACACGGATTTACTATACTAACTCTATGCATAAGTACCAGCCGCGTTCCACA
 TCGTCAGAGCCAACGATATCCTGAAACTGCCTTACAGTACTTTTCGAACCTACCTGTTCCCGGAAACAGA
 ATTCATCGCCGTTACTGCCTATCAGAATGACAAGATAACTCAGTTAAAAATAGACAACAATCCCTTTGCA
 AAGGGTTTTCGAGACTGGCAATGGCAGGAGAGAAAAAGAAAGCAGCTCACACTGCAGTCCATGAGAG
 TGTTTGAGGAGAGGCATAAGAAGGAGACTTCGGATGAGTCTCCAGCGAGCAGGCAGCCTTCAACTGCTT
 TGCCCAGGCATCCTCTCTGCTGTCTCCATCGTGGGACATCCAACTCAAAGATCTGTGTCCCAGCGAA
 GCCGAGAGTGACCCGAGGCTGAGAGCAAGGAGGAGCACGGCCCTGAGGCCTGCGACGCGCCAAGATTT
 CCACCACTACGGCCGAGGAGCCAGGCCGCGACAAGGGCAGCCAGCAACCAGGGCGCAGCTGTTCCCGCG
 GGAGCCAGCCGGGCCCGCGACACCGCGGTCTGGACAAGGCATCGCCAGACTCGCGCCATAGCCCGGCC
 ACCATCTCGTCCAGCACGCGAGTTCGGGAGCTGATGAGCGCAGGAGTCCCGGGCGGAGGGTCCAGTCCG
 CCACCAAGGTGGATGAGGCGCGCGATTCTGCAAGGACGCCTTCGCTCCACTGTCGTTGCAGACAGA
 CGCCACCGCGCACCTAGCGCAGGGGCCCTCCCGGGCTTGGGTTTCGCCCAGGCCTTGCGGGCCAGCAG
 TTCTTCAACGGGCACCCGCTTCTCTGCACCCGGGCCAGTTCGCCATGGGCGGCGCTTCTCTAGCATGG
 CTGCAGGCATGGGGCCCTGCTGGCCACAGTATCCGGAGCATCCACCGCGCTCTCAGGCCTAGAATCCAC
 AGCCATGGCCTCGGCTGCCGAGCGCAGGGACTGTCTGGGCGTCCGCTGCCACCCTGCCCTTCCACCTC
 CAACAACAGTTCTGGCCTCCCAGGGCTTGGCTATGTGCGCTTTCGGGAGCCTGTTTCTTACCCTACA
 CATAATGGCTGCAGCAGCTGCAGCCTCCACCGGGCCGCTCCAGCTCCGTGCACCGCCACCCGTTCTCT
 CAATTTGAACAGCATGCGCCCCAGGCTGCGTTACAGCCCTATTCCATCCCGTCCAGTCCCGGATAGC
 AGCAGTTTGTGGCCACAGCTTTACCATCAATGGCTTCCGCCGCGGGGCCCTTAGACGGCAAAGCGGCCG
 CCCTGGCAGCCAGCCAGCCTCGGTGGCTGTGGACTCGGGGTCCGAACTGAACAGCCGCTCGTCCACGCT
 GTCCTCTGGCTCAGTGTCTTGTACCCAACTCTGCTCCGAGAAGGAGGCGGCTACCAGCGAAGTGCAG
 AGTATCCAGCGGCTGGTCACTGGCTTGAAGCCAAGCCAGACAGGTCTTGCAGCGGGTCCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - **GTTTAA**

Protein Sequence: >MG226837 representing NM_198052
 Red=Cloning site Green=Tags(s)

MSLSMRDPVIPGTSMAYHPFLPHRAPDFAMSAVLGHQPPFFPALTLPPNGAAALSLPGALAKPIMDQLVG
 AAETGIPFSSSLGPQHLRPLKTMEEEDVEDDPKVHLEAKELWDQFHKRGTEMVITKSGRRMFPPFKVRC
 SGLDKKAKYILLMDIIAADDCRYKFHNSRWMVAGKADPEMPKRMYPHDPSPATGEQWMSKVVTFFHKLKL
 NNI SDKHGFTILNSMHKYQPRFHIVRANDILKLPYSTFRTYLFPETEFIAVTAYQNDKITQLKIDNNPFA
 KGFRDTGNGRREKRKQLTLQSMRVFEERHKKETSDESSSEQAAFNCFAQASSPAVSIVGTSNLKDLCPSE
 AESDAEAEESKEEHGPEACDAAKISTTTAEPEGRDKGSPATRAQLFPAEPSRARDTARLDKASPDSRHSPA
 TISSSTRVPGADERRSPGREGPVATKVDEARAIPAKDAFAPLSVQTDATAHLAQGPLPGLGFAPGLAQQ
 FFNGHPLFLHPGQFAMGGAFSSMAAGMPLLATVSGASTVSGLESTAMASAAAAAQLSGASAATLPPHL
 QQHVLASQGLAMSPFGSLFPYPYTYMAAAAAASTAAASSVHRHPFLNLSMRPRLRYPSPYIPVVPVDS
 SLLLATALPSMASAAGPLDGKAAALAASPASVAVDSGSELNSRSSTLSSGSVSLSPKLCSEKAATSELQ
 SIQRLVSGLEAKPDRSCSGSP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:

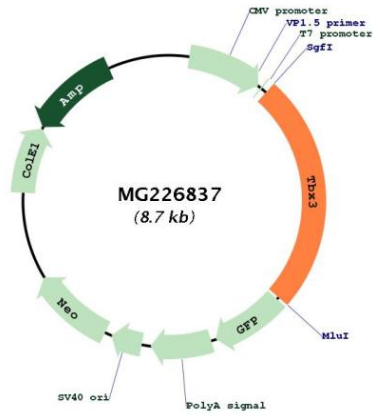


ACCN: NM_198052

ORF Size: 2163 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_198052.2
RefSeq Size:	5022 bp
RefSeq ORF:	2166 bp
Locus ID:	21386
Cytogenetics:	5 60.34 cM
Gene Summary:	Transcriptional repressor involved in developmental processes. Probably plays a role in limb pattern formation. Acts as a negative regulator of PML function in cellular senescence (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG226837