

Product datasheet for **MC220422**

Tbr1 (NM_009322) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Tbr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC220422 representing NM_009322

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGC

ATGCAGCTGGAGCATTGCCTCTCTCCTTCTATCATGCTCTCCAAGAAATTTCTCAATGTGAGCAGCAGCT
ACCCACATTCGGGCGGATCTGAGCTTGTCTTGCATGATCATCCATTATCTCGACCACTGACAACCTGGA
GAGAAGTTCACCTTTGAAAAAATTACCAGGGGATGACGAATCAGTCAGATACAGACAATTTCTCTGAC
TCCAAGGACTCACCAGGGGACGTCCAGAGAAGTAACTCTCTCCTGTCTTGGACGGGGTCTCTGAGCTTC
GTCACAGTTTCGATGGCTCTGCTGCAGATCGTTACCTACTCTCTCAGTCCAGCCAGCCACAGTCTGCGGC
CACCGCTCCCAAGTCCATGTTCCCGTACCCAGCCAGCAGGACCGGCATCCCGCTTCTCCATCGGC
AGCCCCAGTCGCTACATGGCCACCAACCGGTCAATACCAACGGAGCTTACAACAGCCTGCTGTCCAAT
CTTCGCGCAGGGCTACCCACGGCCGGCTACCCCTACCCACAGCAGTACGGCCACTCTACCAAGGAGC
CCCTTTCTACCAAGTTCTCTCCACCCAGCCGGGTGGTCCCGGCAAGGCGCAAGTATACCTGTGCAAC
AGGCCACTTTGGCTGAAATTTTCATCGGCATCAAACGGAGATGATCATCACTAAACAGGGAAGGCGCATGT
TTCCCTTTTGTAGTTTTAACATTTCTGGTCTCGATCCACCGCTCATTACAATATTTTGTGGATGTGAT
TTTGGCGGATCCCAATCACTGGAGGTTTCAAGGAGGCAATGGGTTCTTGTGGCAAGCGGACCAAT
GTGCAAGGAAACCGGGTCTATATGCATCCGGATTCCCCAACACTGGGGCTCACTGGATGCGGCAAGAAA
TCTCTTTTGGAAATTAATACTTACCAACAACAAGGAGCATCAAACAACAATGGGCAGATGGTGGTTTT
ACAGTCCCTGCACAAGTACCAGCCCGTCTGCACGTGGTGAAGTGAATGAGGATGGCACAGAGGACACC
AGCCAGCCAGGCGGAGTCCAGACGTTCACTTTCCGGAGACTCAGTTTCATCGCTGTACCGCCTACCAGA
ACACGGATATTACACAATAAAATAGATCATAACCCCTTTGCAAAAGGATTTTCAGATAACTATGACAC
GATCTACACGGGCTGCGACATGGACCGCTTGACCCCGTCGCCAACGACTCTCCGCGCTCGCAGATCGTG
CCCGGCGCCCGCTACGCCATGGCCGGCTCTTCTGCAAGACAGTTTCGTGAGCAACTACGCCAAGGCC
GCTTCCACCCGGGCGCCGGCGGGTCCCGGGCGGGCACGGACCGCAGCGTCCCGCACACCAACGGGCT
GCTGTCCCCGACAGGCCGAGGACCGGGCGCGCGTCCCGCAGCGCTGGTTCGTACGCCGGCCAAAC
AACCGGCTGGAATTCGCGGCTCGGCCTACGACACGGCCACGGAATTCGCCGGCAACGCGGCCACGCTGC
TGTCGTATGCGGCCGCGGGCGTGAAGGCGTGCCCTTGACAGGCGCGGGCTGCACGGGCGCGCCGCTCGG
CTACTACGCCGACCTTCGGGCTGGGGCGCGCGACGCCCCGCGAGTACTGCGGCGCCAAGTCGGGCTCC
GTGCTCCCCTGCTGGCCAAACAGCGCGCGCGCGCGCATGGCCGGCGCCAACCCCTATCTGGGCG
AGGAGGCCGAGGGCTGCGCGCCGAGCGCTCGCCGCTGGCGCCCGCCGAGGACGCCAAGCCCAAGGA
CCTGTCCGACTCCAGCTGGATCGAGACGCCCTCCTCCATCAAATCCATCGACTCCAGCGACTCGGGGATT
TACGAGCAGGCCAAGCGGAGGCGGATCTCGCCGGTGACACGCCGGTGTCTGAGAGCTCGTCCCCGCTCA
AGAGCGAGGTGCTGGCCAGCGGGACTGCGAGAAGAACTGCGCCAAGGACATAGGCGGCTACTATGGCTT
CTACTCGCACAGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_009322

Insert Size:

2046 bp

OTI Disclaimer:	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. 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
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_009322.3 , NP_033348.2
RefSeq Size:	3977 bp
RefSeq ORF:	2046 bp
Locus ID:	21375
UniProt ID:	Q64336
Cytogenetics:	2 35.56 cM
Gene Summary:	Transcriptional repressor involved in multiple aspects of cortical development, including neuronal migration, laminar and areal identity, and axonal projection (PubMed:9883721, PubMed:11239428, PubMed:21285371). As transcriptional repressor of FEZF2, it blocks the formation of the corticospinal (CS) tract from layer 6 projection neurons, thereby restricting the origin of CS axons specifically to layer 5 neurons (PubMed:21285371).[UniProtKB/Swiss-Prot Function]