

## Product datasheet for **MG223752**

### T (NM\_009309) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	T (NM_009309) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	T
Synonyms:	Bra; cou; D17Mit170; Low; Lr; me75; T1; Tl2; Tl3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223752 representing NM_009309 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCTCGCCGGGCACAGAGAGCGCAGGGAAGAGCCTGCAGTACCGAGTGGACCACCTGCTCAGCGCCG  
TGGAGAGCGAGCTGCAGGCGGGCAGCGAGAAGGGAGACCCACCGAACCGGAAGTGCAGTGGGCCTGGA  
GGAGAGCGAGCTGTGGCTGCGCTTCAAGGAGCTAACTAACGAGATGATTGTGACCAAGAACGGCAGGAGG  
ATGTTCCCGGTGCTGAAGGTAATGTGTCAGGCCTGGACCCCAATGCCATGTACTCTTCTTCTGCTGGACT  
TCGTGACGGCTGACAACCACCGCTGAAATATGTGAACGGGGAGTGGGTACCTGGGGGCAAACCAGAGCC  
TCAGGCGCCAGCTGCGTCTACATCCACCAGACTCGCCCAATTTGGGGCCCACTGGATGAAGGCGCT  
GTGCTTTTCAGCAAAGTCAAACCTACCAACAAGCTCAATGGAGGGGGACAGATCATGTTAAACTCCTTGC  
ATAAGTATGAACCTCGGATTCACATCGTGAGAGTTGGGGCCCGCAACGCATGATCACCAGCCACTGCTT  
TCCCGAGACCCAGTTCATAGCTGTGACTGCCTACCAGAAATGAGGAGATTACAGCCCTTAAATTAATAC  
AACCCATTTGCTAAAGCCTTCTTGTATGCCAAAGAAAGAAACGACCACAAAGATGTAATGGAGGAACCGG  
GGGACTGCCAGCAGCCGGGATTCCTCAATGGGGTGGCTTGTCTCCTGGTGTGGCACCCCTGCCCCGCC  
TGCCAGCTCCCACCCTCAGTTTGGAGGCTCGCTCTCTCCCCCTCACACACGGCTGTGAGAGGTACCCA  
GCTCTAAGGAACCACCGGTCATCGCCCTACCCAGCCCTATGCTCATCGGAACAGCTCTCAACCTACG  
CGACAATTCATCTGCTGTCTGTCCATGCTGCACTCCCATGATAACTGGTCTAGCCTCGGAGTGCCTGG  
CCACACCAGCATGCTGCCTGTGAGTCATAACGCCAGCCACCTACTGGCTCTAGCCAGTATCCCAGTCTC  
TGGTCTGTGAGCAATGGTACCATCACCCAGGCTCCCAGACAGCTGGGGTGTCCAACGGGCTGGGAGCTC  
AGTTCTTTCGAGGCTCCCTGCATTACACCACTGACACACAGGTCTCAGCTGCCAGCTCCTCGTC  
TTCTGTTCTCCGATGTATGAAGGGGCTGCTACAGTCACAGACATTTCTGACAGCCAGTATGACACGGCC  
CAAAGCCTCTCATAGCCTCGTGGACACCTGTGTACCCCATCCATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG223752 representing NM\_009309  
Red=Cloning site Green=Tags(s)

MSSPGTESAGKSLQYRVDHLLSAVESELQAGSEKGDPTERELRVGLEESELWLRFKELTNEMIVTKNGRR  
MFPVLKVNVSGLDPNAMYSFLDDFVTADNHRWKYVNGEWVPGGKPEPQAPSCVYIHPDSPNFGAHWMKAP  
VSF SKVKLTNKLNGGGQIMLNSLHKYEPRIHIVRVGGPQRMITSHCFPETQFIAVTAYQNEEITALKIKY  
NPF AKAFLDAKERNDHKDVMEEPDCQQPGYSQWGLVPGAGTLCPPASSHPQFGGSLSLPSTHGCRYYP  
ALRNHRSSPYPSY AHRNSSPTYADNSSACL SMLQSHDNWSSLGVPGHTSMLPVSHNASPPTGSSQYPSL  
WSVSNGITPTGSQTAGVSNGLGAQFFRGSPAHYTPLTHTVSAATSSSSGSPMYEGAAATVTDISDSQYDTA  
QSLLIASWTPVSPPSM

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_009309

**ORF Size:** 1308 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\\_009309.2](#), [NP\\_033335.1](#)

**RefSeq Size:** 2046 bp

**RefSeq ORF:** 1311 bp

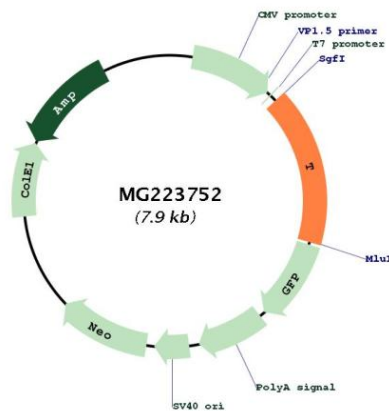
**Locus ID:** 20997

**UniProt ID:** [P20293](#)

**Cytogenetics:** 17 4.92 cM

**Gene Summary:** Involved in the transcriptional regulation of genes required for mesoderm formation and differentiation (PubMed:7588606). Binds to a palindromic site (called T site) and activates gene transcription when bound to such a site (PubMed:8344258, PubMed:7588606). [UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MG223752