

## Product datasheet for **MC210249**

### Tbata (NM\_001017407) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tbata (NM\_001017407) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tbata  
**Synonyms:** 1700021K02Rik; AI428928; S; Spatial; Titest  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC210249 representing NM\_001017407  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

CTGTTTCTGGGAATGTATATAAGGGGAGTTTAGCACCTCGTAGGGATGAGGTGACTAGTCCAAAGGCAG  
AGCCCCAGCCAGAGACGAAGCCGGAGAACCTTCCAAGGAGCCACGGGGATGTTGGGCTCCAGAAAGAGAC  
TGTGGTCCAGGCATTGTGGATTTCGAGCTGATCCATGAGGAGCTGAAGACCACAAGCCCCAAACATCA  
CAACCAACACCCAGTGCCTACCGCTTTGGACGCCAAGCCACCATTCTTCTTCTCGAGGACCACCCCC  
AACCACAGCGAGTGACTCATATCCAAGATATCGCTGGGAAGCCTGTCTGCGTGGTTCAGGGACGAGTTCTC  
TCTGTCCGCTTGACTCAGCCACATTCTATCCCGCTGTCTGATGGGGATGCCACCATCTCTGTCCCC  
ATTGGGGATCCACAGTCCAATCGGAACCCCGAGCTTTCTACTTCTGACACCTGGAGGAAGAACTGAAGG  
ACCTGGCTTCCCGAGTGACTGTCTTCACTAAGGAAATCCAGCCAAAGCCCGATGAGGTTGGTGTTCACA  
AGAATGGAGCCTAGAAAAAAGGCCTTCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001017407  
**Insert Size:** 594 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001017407.1, NP_001017407.1</u>
<b>RefSeq Size:</b>	932 bp
<b>RefSeq ORF:</b>	594 bp
<b>Locus ID:</b>	65971
<b>UniProt ID:</b>	<u>Q7TSD4</u>
<b>Cytogenetics:</b>	10 B4
<b>Gene Summary:</b>	<p>This gene encodes a putative transcription factor that is highly expressed in thymic cortical stromal cells, and may be involved in T-cell development. Its expression is developmentally regulated in the testis, where it is restricted to the haploid round spermatids during spermatogenesis, and thus this gene may also have a role in the control of male germ cell development. Alternative splicing of this gene results in two sets of transcript variants: the variants containing 5 additional exons at the 3' end encode long isoforms that are highly expressed in the testis, while the variants lacking the 3' end exons encode short isoforms that are highly expressed in the thymus. Most of the transcripts encoding the short isoforms have been shown to initiate translation from non-AUG (CUG) start sites. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (5) uses an alternate, in-frame acceptor splice site in one of the coding exons compared to transcript variant 3, resulting in an isoform (5, also known as Spatial-gamma) that is missing an internal segment compared to short isoform 3. This variant initiates translation from a non-AUG (CUG) start site and is highly expressed in the thymus.</p>