

Product datasheet for MC210250

Tbata (NM_001017419) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tbata (NM_001017419) 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: >MC210250 representing NM_001017419
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACTACAGAGGTGAACCAGCTGTCTGAGCATCCTCTAGTGAGTCCAAAGGCAGAGCCCCAGCCAGAGA
 CGAAGCCGGAGAACCTTCCAAGGAGCCACGGGGATGTTGGGCTCCAGAAAGAGACTGTGGTCCCAGGCAT
 TGTGGATTTCCAGCTGATCCATGAGGAGCTGAAGACCACAAAGCCCCAAACATCACAAACACCCAGT
 GCCTACCGCTTTGGACGCTAAGCCACCATTCCTTCTTCGAGGCACCACCCCAACCACAGCGAGTGA
 CTCATATCCAAGATATCGCTGGGAAGCCTGTCTGCGTGGTCAGGGACGAGTTCTCTGTGCGCCTTGAC
 TCAGCCCACATTTATCCCGCTGTCTGATGGGGATGCCACCATCTCTGTCCCCATTGGGGATCCACAG
 TCCAATCGGAACCCCGAGCTTTCTACTTCTGACACCTGGAGGAAGAACTGAAGGACCTGGCTTCCCGAG
 TGACTGTCTTCACTAAGGAAATCCAGCCAAAGCCCGATGAGCAGAAGGAAGAGCCACCTCTGAGGGAACC
 TCCTCCGAGAGAGCAGGGGGCCAAATACTCAGCTGAGACCGGTAGGCTTATCCCTGCTTCCAGCCAAAGCC
 CTCACCCGTCGCAACCGCCAGGGCCAGCGGGTCCACCTTCTAGCAAAGATGGAGGAGTCCAAGCCTCCA
 TTCTGAGGACCCAGGAGCTGCTGATTTTGGAGCTCCTTTGTCAAATTTACAAACAGATTTCTAAGGGC
 TATTGAGTTCTGGCTGCTTTATGCTCCATCAAAAGAAAAAGATTTAGCTCTGGGGTTCTGCAAAGTCC
 GTGGCTCAGCTTATCCCCAGCCCTTTCTCCATCCCAGCAGAGAAGCTCTGGAACCATCTCCAAGAGC
 TTCAAGAGCCTCAAGAGACACAAGAGGCAGCCTACAGTCCATCCCTGAAGAAGACTAGGTACCACCTCT
 ACCCAAAACAGACAAACCAGAGTACATAGGCAAAGCCCAAGTCTCTGTTGCATCCCAGCGAGGACCCA
 GAGGAGAAAACGACCAAGGCTGAAAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001017419



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|-------------------------------|---|
| Insert Size: | 1080 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). |
| 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: | <u>NM_001017419.2</u> , <u>NP_001017419.1</u> |
| RefSeq Size: | 1443 bp |
| RefSeq ORF: | 1080 bp |
| Locus ID: | 65971 |
| UniProt ID: | <u>Q7TSD4</u> |
| Cytogenetics: | 10 B4 |
| Gene Summary: | <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 (2) uses an alternate, in-frame acceptor splice site in one of the coding exons compared to transcript variant 1, resulting in an isoform (2, also known as Spatial-delta) that is missing an internal segment compared to long isoform 1, and like the latter, it is highly expressed in the testis.</p> |