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Product datasheet for MR223783

Tbata (NM_023064) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbata (NM_023064) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbata
Synonyms:	1700021K02Rik; AI428928; S; Spatial; Titest
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223783 representing NM_023064 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC CTGTTTCTGGGGAATGTATATAAGGGGAGTTTAGCACCTCGTAGGGATGAGGTGACTAGTCCAAAGGCAG AGCCCCAGCCAGAGACGAAGCCGGAGAACCTTCCAAGGAGCCACGGGGATGTTGGGCTCCAGAAAGAGAC TGTGGTCCCAGGCATTGTGGATTTCGAGCTGATCCATGAGGAGCTGAAGACCACAAAGCCCCAAACATCA CAACCAACACCCAGTGCCTACCGCTTTGGACGCCTAAGCCACCATTCCTTCTTCTCGAGGCACCACCCCC AACCACAGCGAGTGACTCATATCCAAGTTACAGGAAGAGAGGACCTGGAGCACTCCCTGCCCCTCACCAC CTCTTTCCAGCTCCTTCAAGCTCCTGGGGTCCAGCCCATGGATCTCACTCCCTCTGCAGATATCGCTGGG AAGCCTGTCTGCGTGGTCAGGGACGAGTTCTCTCTGTCGGCCTTGACTCAGCCCACATTCTTATCCCGCT GTCTGATGGGGATGCCCACCATCTCTGTCCCCATTGGGGATCCACAGTCCAATCGGAACCCCCAGCTTTC TACTTCTGACACCTGGAGGAAGAAACTGAAGGACCTGGCTTCCCGAGTGACTGTCTTCACTAAGGAAATC CAGCCAAAGCCCGATGAGGTTGGTGTTGCACAAAGAATGGAGCCTAGAAAAAAAAGGCCTTCT ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

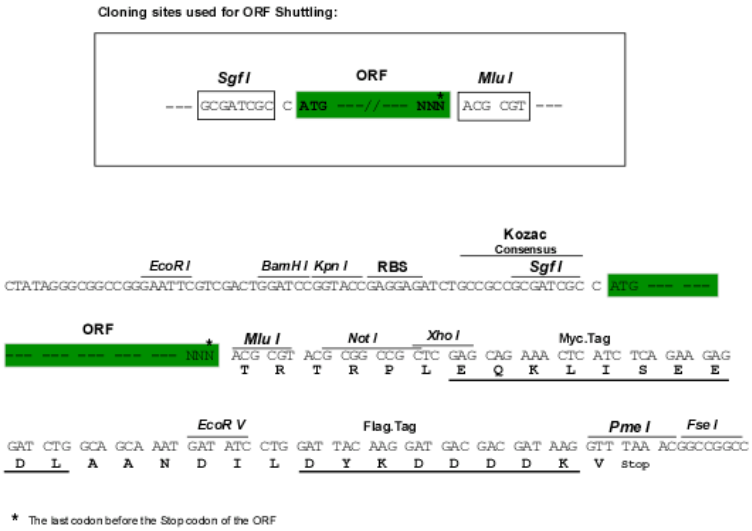
>MR223783 representing NM_023064
Red=Cloning site Green=Tags(s)

LFLGNVYKGSLAPRRDEVTSPKAEPQPETKPENLPRSHGDVGLQKETVVPGIVDFELIHEELKTTKPQTS
QPTPSAYRFGRLSHHSFFSRHHPQPQRVTHIQVTGREDLEHSLPLTTSFQLLQAPGVQPMDLTPSADIAG
KPVCVVRDEFSLSALTQPTFLSRCLMGMPTISVPIGDPQSNRNPQLSTSDTWRKKLKDLASRVTVFTKEI
QPKPDEVGVAQRMEPRKKRPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_023064

ORF Size: 693 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).

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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_023064.3, NP_075551.3
RefSeq Size:	1034 bp
RefSeq ORF:	696 bp
Locus ID:	65971
UniProt ID:	Q7TSD4
Cytogenetics:	10 B4
MW:	26.2 kDa
Gene Summary:	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]

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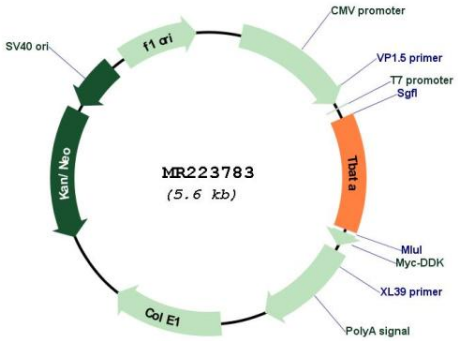
Product images:



Circular map for MR223783

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