

## Product datasheet for **MC200626**

### Jtb (NM\_206924) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Jtb (NM_206924) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Jtb
Synonyms:	Gm622
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC008139 sequence for NM\_206924  
 CAGCAAACAGACGAGAGCACCCGGGAAGAGTCGGCGTCGCCAGTGCCGGGACCAGGAGCCTCCGCGAGCA  
 AGATGGCCCGCTCCCGAGACCGAGGCCGAGGGGCACGGGCACTAGGTCGGACCCGCGTACCCTTTCCCG  
 GACGCCTGCGTCCCACAAAGACCTCGTGCTTCTAGCAAGACACCCGCATGGATTATTCTCGCTGTGGTC  
 ACGAGGCCGTTCTATAGCGCTCTAGTTGGCCAGACTGAGAACTCTGGCATCTGGCTGCTCGGAGCTGG  
 AACCTCAGGGAGGTCTGCTGCAACAGGTGCGACCTGACCGCTCCATGCTCGGGGCGGGGAGGCGTG  
 GCCTCCCCGGGCGGCCACCTCTGTTGGCTGCTGCGCTTTCACCTTAAACTCTGCGAGGCAGAGGC  
 TCCGGTGCAGGAGGAGAAGCTATCAGTGAGCACTTCAACTTCGCCATGTTGGTTGGCAGAAGAGTTTGTG  
 GTGACTGAAGAGTGTACTCCGTGTTCTAACTTCCAGATTAACAACACCTGAGTGTGGTTCTACAGGGT  
 ATGTGGAATAATCAGATGCAGCTCATCTAAGAGGAATGAATTAACAAGCTGCCGTTCCGGCTCTACTGGA  
 ACAACTTATTCTGAAATTTGAAGGCGTTGTGGTGGCTGTAGCTTTAGTCTTCGCCTGCCTTGCATC  
 GTTCGTCAGCGACAAGTGGACAGAAAGGCTCTTGAAGAAAGTCAGGAAGCAATTGAGTCCATATAGCTGA  
 ATTTCTACTGTATTATGGTGGCTCTTACGGACTGTATCTCAGATGGAGAAAGTTTCAGCGGCTAATTTGC  
 ACTCGTAAACCTGTGGTAGTAGCATTTCATGACTTCCTCTTCTAGACCATTAATGAGCACAATAAAAA  
 GTAAAAATAGAGCTGGACATGACACAGACTTGGAATCCCAGCACTTGAGAGAATGAGGCAGGAGGATCCTT  
 GGTAACCTTTGTAGGCCGACTAGGCTGAACATACATAGTAAGCCTGTCTTTAAAGAGAAAACGGAAATAATA  
 AAGGAGTAAAGAGTTAAAAAAAAAAAAA

Restriction Sites:	RsrII-NotI
ACCN:	NM_206924
Insert Size:	441 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><a href="#">BC008139</a></u> , <u><a href="#">AAH08139</a></u>
<b>RefSeq Size:</b>	1078 bp
<b>RefSeq ORF:</b>	441 bp
<b>Locus ID:</b>	23922
<b>UniProt ID:</b>	<u><a href="#">O88824</a></u>
<b>Cytogenetics:</b>	3 F1
<b>Gene Summary:</b>	Required for normal cytokinesis during mitosis. Plays a role in the regulation of cell proliferation. May be a component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. Increases AURKB activity (By similarity). Inhibits apoptosis induced by TGFB1. Overexpression induces swelling of mitochondria and reduces mitochondrial membrane potential.[UniProtKB/Swiss-Prot Function]