

## Product datasheet for **MC202031**

### Tbce (NM\_178337) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tbce (NM_178337) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbce
Synonyms:	2610206D02Rik; C530005D02Rik; pmn
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC050206 sequence for NM\_178337  
 GCCGAAAGCTTCGTCGCTGATTGCGTGAGGGTCTCTGGGTGCTGACAGACCCGGCAGAGGGAAGATCTCCT  
 ATTGTGGATTCCGTCTATCTTATAATGAGTGACATTTTGCCATTAGATGTCATTGGTAGAAGAGTTGAAG  
 TTAATGGAGAATATGCAACAGTGCCTTTTTGTGGTGCTGTTCTCCTGTGGCAGGACTCTGGTTAGGAGT  
 TGAGTGGGACAATCCCGAGAGAGAAAGCATGACGGGAGCCACGAAGGTAATGATATTTTAAATGCAGG  
 CACCCAACAGGAGGCTCTTTTGTTCGTCGAAGCAAAAGTTAATTTTCGGAGATGACTTCTTACTGCCCTTA  
 AGAAGCGCTATGTCTCGAAGATGGACCTGATGATGATGAAAAATCGTGTTCCTTAAAAGTTGGAAGTAA  
 ACAAGTGCAAACTATTGGTTTTGAACATATTACAAAGAAGCAGAGTCAGCTGAGAGCACTGCAGGACATT  
 TCCCTCTGGAAGTGTGCCGTGAGCCATGCTGGTGAACAAGGAAGAATTGCTGAAGCCTGCCCAATATTC  
 GAGTTGTAATTTATCCAAAACTTGTGTCAACTTGGGATGAAGTGGTCTTATTGCAGAGCAGCTCAA  
 AGACCTGGAGGCTCTTGATCTCAGTAAAATAAAGTGCAGTTTCCCTCTGACTCACCAACTCTAACTAGA  
 ACATTTTCTACTCTGAAGACTTTAGTCCTAAACAAAACAGGAATAACGTGGACTGAGGTGCTGCACTGTG  
 CTCTTCTATGGCCAGTCTCGAGGAACCTTACCTCAAGTCTAACAATATTTCCATTTCTGAAAGGCCAGT  
 GAATGTCTGCAGAAAATGAGGTTACTAGACCTTTCTCCAACCCATCAATTGATGAAAGCCAGCTGAGC  
 CTTATAGCAGATCTTCCAAGATTAGAACACCTAGTCTTTCTGACATTGGACTTTCTTCTATACATTTTC  
 CAGATGCTGAAATTGGATGCAAAACATCCATGTTCCCGGCTTGAAGTACCTCATAGTCAATGACAACCA  
 GATATCAGAATGGTCATTTATCAACGAGCTGGATAAAGTGCAGAGCCTGCAGGCCCTGTCTGCACTAGA  
 AACCTTTGAGCAAAGCGGACAAAAGCAGAGGAGATCATTATCGCCAAGATTGCTCAGCTGAGGACCCTGA  
 ACAGGTGCCAGATTCTTCCAGAGGAAAGCGTGGAGCTGAGCTAGATTATCGAAAAGCCTTTGGAATGA  
 ATGGAGAAAGGCTGGTGGACACCCAGATCCAGACAAAACAGGCCAAATGCAGCGTTTCTCTCAGCCCAT  
 CCTAGATACCAGTCTCTGCTGCAAAATATGGTGACCTGAAGATGAGGAGCTCAAAAACACAGCAGCCAT  
 TCATGCTAAAAAACAGCTACTAACCTGAAGATAAAATGCTCAAATCAACCTGAACGGCAAAATATTAGA  
 AAAGCAGTTGCCAGACTCCATGACAGTTCAAAGGTAAGGGACTGTTGTACGTCTTCTCAAAGTTCTCT  
 GTGTCAGAACTTCTGTTGCTACGAAAGTTCAAAGATGCCGGGCAGAGAAATGAACTAGAAAATGACC  
 TACAGCCATTACAGTTTTATTCTGTGAAAATGGAGATTGCCTACTAGTGCATGGTAACAGTCCAACCG  
 TAAGAGTTAACGACTGGAATGTATACACCAGAAAACAAAACCTTTGCCCTCACAAATGATGTTATGTTTT  
 GTTGGGAAAAGACCATTTGGTTGTATTAATAGAATAATAAAGGCTTTGATTACTAAAAAAAAAAAAA AAAAAA



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<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_178337
<b>Insert Size:</b>	1575 bp
<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">BC050206</a> , <a href="#">AAH50206</a>
<b>RefSeq Size:</b>	1827 bp
<b>RefSeq ORF:</b>	1575 bp
<b>Locus ID:</b>	70430
<b>UniProt ID:</b>	<a href="#">Q8CIV8</a>
<b>Cytogenetics:</b>	13 5.29 cM
<b>Gene Summary:</b>	<p>This gene encodes a tubulin binding cofactor that participates in microtubule dynamics. A mouse model of progressive motor neuropathy (pmn) was discovered to harbor a single amino acid deletion in this gene. Mice that are homozygous for pmn allele exhibit progressive atrophy and premature death due to respiratory failure. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Feb 2015]</p> <p>Transcript Variant: This variant (1) encodes the functional protein.</p>