

Product datasheet for **MR208401**

Tbce (NM_178337) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbce (NM_178337) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbce
Synonyms:	2610206D02Rik; C530005D02Rik; pmn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR208401 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

 ATGAGTGACATTTTGCCATTAGATGTCATTGGTAGAAGAGTTGAAGTTAATGGAGAATATGCAACAGTGC
GCTTTTGGTGTCTGTTCTCTGTGGCAGGACTCTGTTAGGAGTTGAGTGGGACAATCCCGAGAGAGG
AAAGCATGACGGGAGCCACGAAGTACTATGTATTTTAAATGCAGGCACCAACAGGAGGCTCTTTTGT
CGTCCAAGCAAAGTTAATTTGAGAGTACTTCTTACTGCCCTTAAGAAGCGCTATGTGCTCGAAGATG
GACCTGATGATGATGAAAATTCGTGTTCTTAAAGTTGGAAGTAAACAAGTGCAAACTATTGGTTTGA
ACATATTACAAAGAAGCAGAGTCAGCTGAGAGCACTGCAGGACATTTCCCTCTGGAAGTGTGCCGTGAGC
CATGCTGGTGAACAAGGAAGAATTGCTGAAGCCTGCCCAATATTCGAGTTGTAATTTATCAAAAACT
TGTTGTCAACTTGGGATGAAGTGGTCTTATTGCAGAGCAGCTCAAAGACCTGGAGGCTCTTGATCTCAG
TGAAAATAAACTGCAGTTTCCCTCTGACTACCAACTCTAACTAGAACATTTTCTACTCTGAAGACTTTA
GTCCTAAACAAAACAGGAATAACGTGGACTGAGGTGCTGCACTGTGCTCCTTCATGGCCAGTCTCGAGG
AACTTTACCTCAAGTCTAACAATATTTCCATTTCTGAAAGGCCAGTGAATGTCTGCGAGAAAATGAGGT
ACTAGACCTTTCTCCAACCCATCAATTGATGAAAGCCAGCTGAGCCTTATAGCAGATCTTCCAAGATTA
GAACACCTAGTCTTTCTGACATTGGACTTTCTTCTATACATTTTCCAGATGCTGAAATTGGATGCAAAA
CATCCATGTTCCCGGCCCTGAAGTACCTCATAGTCAATGACAACCAGATATCAGAATGGTCATTTATCAA
CGAGCTGGATAAACTGCAGAGCCTGCAGGCCCTGCTGCACTAGAAACCTTTGAGCAAAGCGGACAAA
GCAGAGGAGATCATTATCGCCAAGATTGCTCAGCTGAGGACCCTGAACAGGTGCCAGATTCTTCCAGAGG
AAAGGCGTGGAGCTGAGCTAGATTATCGAAAAGCCTTTGAAAATGAATGGAGAAAGGCTGGTGGACACCC
AGATCCAGACAAAAACAGGCCAAATGCAGCGTTTCTCTCAGCCCATCTAGATACCAGCTTCTCTGCTGC
AAATATGGTGCACCTGAAGATGAGGAGCTCAAAACACAGCAGCCATTGCTGTAACAAAAACGCTACTAA
CCCTGAAGATAAAATGCTCAAATCAACCTGAACGGCAAAATATTAGAAAAGCAGTTGCCAGACTCCATGAC
AGTTCAAAGGTAAGGGACTGTTGTACGTCTTCTCAAAGTTCTGTGTCAGAACTTCTGTTGCTCTAC
GAAAGTTCCAAGATGCCGGGCAGAGAAATTGAAGTAAAAATGACCTACAGCCATTACAGTTTTATTCTG
TGGAAAATGGAGATTGCCTACTAGTGGATGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208401 protein sequence

Red=Cloning site Green=Tags(s)

 MSDILPLDVIGRRVEVNGEYATVRFCAVPPVAGLWLGVEWDNPERGKHDSHEGTMFYKCRHPTGGSFV
RPSKVNFGDDFLTALKKRYVLEDGPDDDENSCSLKVGSKQVQTIGFEHITKKQSQLRALQDISLWNCVAVS
HAGEQGRIAEACPNIRVVNL SKNLLSTWDEVVLI AEQLKDLEALDLSENKLQFPDSDPTLTRTFSTLKT
VLNKTGITWTEVLHCAPSWPVLEELYLKSNNISISERPVNVLQKMRLDLSSNP SIDESQLSLIADLPRL
EHLVLSDIGLSSIHPDAEIGCKTSMFPALKYLIVNDNQISEWSFINELDKLQSLQAL SCTRNP LSKADK
AEEIIIAKIAQLRTLNRQILPEERRGAELDYRKAFGNEWRKAGGHPDPDKNRPNA AFLSAHPRYQLLCC
KYGAPEDDEELKTQQPFMLKKQLLTLKIKCSNQPERQILEKQLPDSMTVQKVKGLLSRLLKVPVSELLLSY
ESSKMPGREIELENDLQPLQFYVENGDCLLVWR

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_178337

ORF Size: 1572 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).

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_178337.1](#)

RefSeq Size: 1807 bp

RefSeq ORF: 1575 bp

Locus ID: 70430

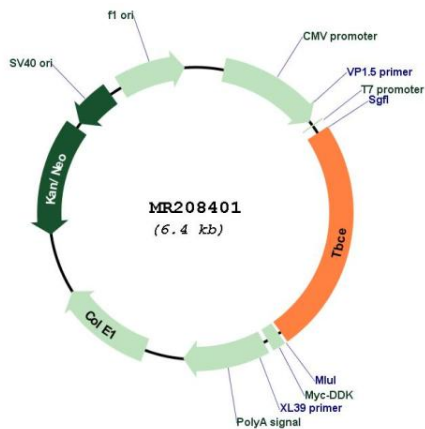
UniProt ID: [Q8CIV8](#)

Cytogenetics: 13 5.29 cM

MW: 59.1 kDa

Gene Summary: 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]

Product images:



Circular map for MR208401