

## Product datasheet for **MR224291**

### **Tbcel (NM\_173038) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbcel (NM_173038) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbcel
Synonyms:	D330014K23; E130107N23Rik; Lrrc35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR224291 representing NM\_173038  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACCAGCCTAGTGGGAGAAGTTTCATGCAAGTATTGTGTGAAAAATACAGTCTGAAAACTTCCTT  
 ACCGCCGTGGCCCTGGGGTGGGAGTCCATGTCCCAGCCACTCCCCAGGGCTCGCCTATGAAAGATCGCCT  
 CAACCTCCCGAGCGTGCTCGTGTGAACAGCTGCGGCATTACCTGCGCGGAGATGAAAGAGAAATCGCA  
 GCCTTCTGTGCTCACGTGTGAGAACTCGATCTTTCTGACAACAAGCTCCAAGACTGGCATGAGGTCAGTA  
 AGATTGTGTCAAATGTTCTCAGCTGGAGTTTCTAAACCTGAGTTCCAATCCTCTGAGTCTGTCAAGTCT  
 AGAAAGAACATGTGCTGGGTCTTCTCTGGGGTTCGAAACTTGTCTCAACAACAGCAAAGCATCATGG  
 GAAACAGTGCACACCATACTGCAGGAGTTGCCAGAGTTGGAGGAGCTCTTCTGTGCCTTAATGACTATG  
 AAACAGTGTCTTGTCTTCTGTCTGTCTGTCATTCCCTCAAGCTCCTACACATCACAGACAACAACCTCCA  
 AGACTGGACTGAAATCCGAAAGCTGGGTGTAATGTTTCTTCACTGGATACCCTGGTCTTGCCCAACAAT  
 CACTTGAATGCAATCGAGGAGCCTGCTGACTCCCTGGCTAGGTTGTTCCCTAATCTGCGGTCCATCAGCC  
 TCCACAAGTCAGGTTTGCAGTCTGGGAAGACATTGACAAACTAAATTCATTCCTCAAGCTTGAAGAAGT  
 GAGATTGCTAGGAATTCCTCTTCTACAGCCGTATACCACCGAGGAACGCAGGAAATGGTGGTGGCCAGA  
 TTGCCCTCCGTTTCCAACTCAATGGCAGTGTGTGACGGATGGTGGAGGAGGATTCCGAGAGGTTTTT  
 TCATCCGTAACGTTGATGTTCTCAGGAGGAAGTGCATTGAGGATCATGAGCTCATTACAAAATA  
 TGGGAAATTGGAGCCTTGGCAGAAGTGGACCTAAGACCCAGAGCAGTGCAGAAAGTAGAAGTTCCTTC  
 AATGACCAAGTGGAGGAAATGAGCATCCGCCTGGACCAGACAGTAGCCGAACTGAAGAAACAGCTAAGA  
 CCCTGGTGCAGTTGCCACCAGCAGCATGCTTCTACTACTTTGACCAGAGGCCCGTTTGGCCAGA  
 GGAGATGAAGTACAGCTCCCGGCACTGCACTCCTTTGGCATTAGGGATGGAGATAAAATTTTTGTGGAA  
 TCAAAAACAAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR224291 representing NM\_173038  
 Red=Cloning site Green=Tags(s)

MDQPSGRSFMQVLCEKYSPEFNPYRRGPGVGVHVPATPQGSPMKDRLNLPVSVLVLNSCGITCAGDEREIA  
 AFCAHVSELDLSDNKLQDWEVSKIVSNVPQLEFLNLSNPLSLSVLERTCAGFSGVRKLVNNSKASW  
 ETVHTILQELPELEELFLCLNDYETVSCPSVCHSLKLLHITDNNLQDWEIRKLGVMFPLDTLVLANN  
 HLNAIIEEPADSLARLFPNLRISLHKSGLQSWEDIDKLNSFPKLEEVRLGLIPLLPYTTTEERRKLVVAR  
 LPSVSKLNGSVVTDGEREDSERFFIRYYVDVPQEEVPRYHELITKYGKLEPLAEVDLRPQSSAKVEVHF  
 NDQVEEMSIRLDQTVAELEKQKTLVQLPTSSMLLYFDHEAPFGPEEMKYSSRALHSFGIRDGDKIFVE  
 SKTK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9110\\_b11.zip](https://cdn.origene.com/chromatograms/mm9110_b11.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_173038

**ORF Size:** 1272 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.

**RefSeq:** [NM\\_173038.5](#)

**RefSeq Size:** 4967 bp

**RefSeq ORF:** 1275 bp

**Locus ID:** 272589

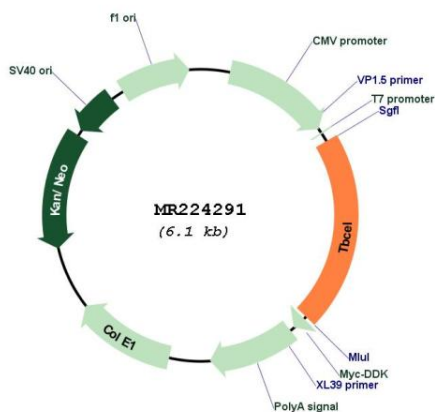
**UniProt ID:** [Q8C5W3](#)

**Cytogenetics:** 9 A5.1

MW: 48 kDa

Gene Summary: Acts as a regulator of tubulin stability.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR224291