

## Product datasheet for **MG224291**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tbcel (NM_173038) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tbcel
Synonyms:	D330014K23; E130107N23Rik; Lrrc35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224291 representing NM_173038 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACCAGCCTAGTGGGAGAAGTTTCATGCAAGTATTGTGTGAAAAATACAGTCCTGAAAACCTCCCTT  
ACCGCCGTGGCCCTGGGGTGGGAGTCCATGTCCCAGCCACTCCCCAGGGCTCGCCTATGAAAGATCGCT  
CAACCTCCCGAGCGTGCTCGTGTGAACAGCTGCGGCATTACCTGCGCGGAGATGAAAGAGAAATCGCA  
GCCTTCTGTGCTCAGTGTGCAACTCGATCTTCTGACAACAAGCTCCAAGACTGGCATGAGGTCAGTA  
AGATTGTGTCAAATGTTCTCAGCTGGAGTTTCTAAACCTGAGTTCCAATCCTCTGAGTCTGTCACTTCT  
AGAAAGAACATGTGCTGGTCCCTCTCTGGGGTTCGCAAACCTGTCTCAACAACAGCAAAGCATCATGG  
GAAACAGTGCACACCATACTGCAGGAGTTGCCAGAGTTGGAGGAGCTCTTCTGTGCCTTAATGACTATG  
AAACAGTGTCTTGTCTTCTGTCTGCTGCTCATTCCCTCAAGCTCCTACACATCACAGACAACAACCTCCA  
AGACTGGACTGAAATCCGAAAGCTGGGTGTAATGTTTCTTCACTGGATACCCCTGGTCTGGCCAACAAT  
CACTTGAATGCAATCGAGGAGCTGTGACTCCCTGGCTAGGTTGTTCCCTAATCTGCGGTCCATCAGCC  
TCCACAAGTCAGGTTTGCAGTCTGGGAAGACATTGACAACTAAATTCATCCCAAGCTTGAAGAAGT  
GAGATTGCTAGGAATTCCTCTTACAGCCGTATACCACCGAGGAACGCAGGAAATGGTGGTGGCCAGA  
TTGCCCTCCGTTTCCAACTCAATGGCAGTGTGTGACGGATGGTGACGAGAGGATTCCGAGAGGTTT  
TCATCCGTACTACGTGGATGTTCTCAGGAGGAAGTGCCATTCAGGTATCATGAGCTCATTACAAAATA  
TGGGAAATTGGAGCCTTTGGCAGAAGTGGACCTAAGACCCAGAGCAGTGCAGAAAGTAGAAGTTCACCTT  
AATGACCAAGTGGAGGAAATGAGCATCCGCTGGACCAGACAGTAGCCGAACTGAAGAAACAGCTAAAGA  
CCCTGGTGCAGTTGCCACCAGCAGCATGCTTCTACTACTTTGACCACGAGGCCCGTTTGGCCAGA  
GGAGATGAAGTACAGTTCGCGGACTGCCTCTTGGCATTAGGGATGGAGATAAAATTTTTGTGGAA  
TCAAAAACAAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG224291 representing NM\_173038  
 Red=Cloning site Green=Tags(s)

MDQPSSGRSFMQVLCEKYSPEPFYRRGPGVGVHVPATPQGSPMKDRLNLPVSVLNLNSCGITCAGDEREIA  
 AFCAHVSELDLSDNKLQDWEVSKIVSNVPQLEFLNLSNPLSLSVLERTCAGSFSGVRKLVNNSKASW  
 ETVHTILQELPELEELFLCLNDYETVSCPSVCCHSLKLLHITDNNLQDWEIRKLGVMFPSLDTLVLANN  
 HLNAIIEEPADSLARLFPNLRISLHKSGLQSWEDIDKLNSFPKLEEVRLGLIPLLPYTTEERRKLVVAR  
 LPSVSKLNGSVVTDGEREDSERFFIRYYVDVPQEEVPPFRYHELITKYGKLEPLAEVDLRPQSSAKVEVHF  
 NDQVEEMSIRLDQTVaelkkqlkTLVQLPTSSMLLYYFDHEAPFGPEEMKYSSRALHSFGIRDGDKIFVE  
 SKTK

TRTRPLE - GFP Tag - V

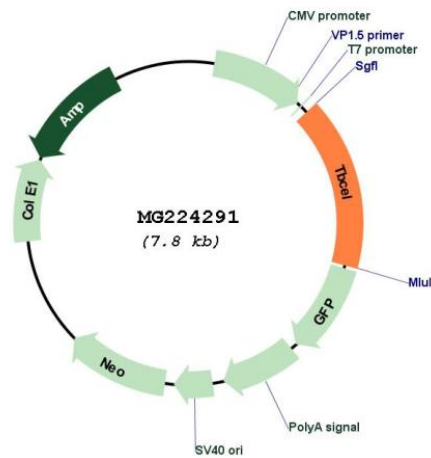
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_173038

<b>ORF Size:</b>	1272 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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="#">NM_173038.3</a> , <a href="#">NP_766626.1</a>
<b>RefSeq Size:</b>	4967 bp
<b>RefSeq ORF:</b>	1275 bp
<b>Locus ID:</b>	272589
<b>UniProt ID:</b>	<a href="#">Q8C5W3</a>
<b>Cytogenetics:</b>	9 A5.1
<b>Gene Summary:</b>	Acts as a regulator of tubulin stability.[UniProtKB/Swiss-Prot Function]