

Product datasheet for **MC214324**

Tbcel (NM_173038) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbcel (NM_173038) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC214324 representing NM_173038
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACCAGCCTAGTGGGAGAAGTTTCATGCAAGTATTGTGTGAAAAATACAGTCCTGAAAACTTCCTT
 ACCGCCGTGGCCCTGGGGTGGGAGTCCATGTCCCAGCCACTCCCCAGGGCTCGCCTATGAAAGATCGCCT
 CAACCTCCCGAGCGTGCTCGTGTGAACAGCTGCGGCATTACCTGCGCGGAGATGAAAGAGAAATCGCA
 GCCTTCTGTGCTCACGTGTGAGAACTCGATCTTTCTGACAACAAGCTCCAAGACTGGCATGAGGTCAGTA
 AGATTGTGTCAAATGTTCTCAGCTGGAGTTTCTAAACCTGAGTTCCAATCCTCTGAGTCTGTCAGTTCT
 AGAAAGAACATGTGCTGGGTCTTCTCTGGGGTTCGCAAACCTGCTCAACAACAGCAAAGCATCATGG
 GAAACAGTGCACACCATACTGCAGGAGTTGCCAGAGTTGGAGGAGCTCTTCTGTGCCTTAATGACTATG
 AAACAGTGTCTTGTCTTCTGTCTGCTGTCATTCCCTCAAGCTCCTACACATCACAGACAACAACCTCCA
 AGACTGGACTGAAATCCGAAAGCTGGGTGTAATGTTTCTTCACTGGATACCCTGGTCTTGCCCAACAAT
 CACTTGAATGCAATCGAGGAGCCTGCTGACTCCCTGGCTAGGTTGTTCCCTAATCTGCGGTCATCAGCC
 TCCACAAGTCAGGTTTGCAGTCTGGGAAGACATTGACAAACTAAATTCATTCCTCAAGCTTGAAGAAGT
 GAGATTGCTAGGAATTCCTTCTACAGCCGTATACCACCGAGGAACGCAGGAAATGGTGGTGGCCAGA
 TTGCCCTCCGTTTCCAACTCAATGGCAGTGTGTGACGGATGGTGGAGGAGGATTCCGAGAGGTTTTT
 TCATCCGTAACGTTGGATGTTCTCAGGAGGAAGTGCATTGAGGATCATGAGCTCATTACAAAATA
 TGGGAAATTGGAGCCTTGGCAGAAGTGGACCTAAGACCCAGAGCAGTGCAGAAAGTAGAAGTTCCTTCT
 AATGACCAAGTGGAGGAAATGAGCATCCGCCTGGACCAGACAGTAGCCGAACTGAAGAAACAGCTAAAGA
 CCCTGGTGCAGTTGCCACCAGCAGCATGCTTCTACTACTTTGACCAGAGGCCCGTTTGGCCGAGA
 GGAGATGAAGTACAGCTCCCGGGCACTGCACTCCTTTGGCATTAGGGATGGAGATAAAATTTTTGTGGAA
 TCAAAAACAAAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_173038

Insert Size: 1275 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).

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_173038.3](#), [NP_766626.1](#)

RefSeq Size: 4967 bp

RefSeq ORF: 1275 bp

Locus ID: 272589

UniProt ID: [Q8C5W3](#)

Cytogenetics: 9 A5.1

Gene Summary: Acts as a regulator of tubulin stability.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2 and 3 both encode the same isoform (b). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.