

Product datasheet for **RR205905**

Tbcel (NM_001014089) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tbcel (NM_001014089) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tbcel
Synonyms: Lrrc35; RGD1308880
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205905 representing NM_001014089
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCAGCCTAGTGGGAGAAGTTTCATGCAAGTATTGTGTGAAAAGTACAGTCCTGAAAACCTCCCTT
ACCGCCGTGGTCCTGGGATGGGAGTCCATGTCCCAGCCACTCCTCAGGGCTCTCCTATGAAAGATCGCT
CAACCTCCAAGCGTGCTCGTGTGAACAGCTGCGGGATTACCTGTGCGGGAGACGAAAGAGAAATCGCA
GCCTTCTGCGCTCACGTGTCAGAGCTCGATCTTTCTGACAACAAGCTCCAAGACTGGCATGAGGTACGTA
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AGAAAAGAACATGCGCTGGGTCTTCTCTGGGGTTCGAAAACCTGTCTCAACAACAGCAAAGCATCATGG
GAAACAGTGCACACAATACTGCAGGAGTTGCCAGATTTGGAGGAGCTCTTCTGTGCCTTAATGACTATG
AAACAGTGTCTTGTCTTCTGTTTGTGTGATTCCTTAAGCTCCTACACATAACAGACAATAACCTCCA
AGAGTGGACTGAAATCCGAAAGCTGGGTGTAATGTTCCCTTCGCTGGATACCCCTGGTCTGGCCAACAAT
CACGTGAATGCCATCGAGGAGCCTGCTGACTCCCTGGCTAGGTTGTTCCCTAATCTGCGGTCCATCAGCC
TCCACAAGTCAGTTTGCAGTCTGGGAAGACATTGACAAACTCAATTCATTCCTCAAGTGAAGAAAT
GAGATTGTTAGGAATCCCTCTCCTGCAGCCATATACCACCGAGGAGCGCAGGAAATTGGTGGTAGCCAGA
TTGCCCTCCGTTTCCAAGCTCAATGGCAGTGTGTGACGGATGGTGGAGCGGAGGATTCTGAGAGTTCT
TCATCCGGTACTATGTGGATGTTCCCCAGGAGGAAGTGCCATTCAGGTATCATGAGCTCATTACAAAGTA
TGGGAAACTGGAGCCTTTGGCAGAAGTGGACCTGAGACCCAGAGCAGTGCAGAAAGTGAAGTCCACTTC
AACGACCAGGTGGAGGAAGTGAAGTGGATCCGCTGGACCAGACGGTGGCGGAGCTGAAGAGACAGCTGAAGA
CTCTGGTGCAGCTGCCACGAGCAGCATGCTCCTACTACTTTGACCACGAGGCCCGTTGGCCCGGA
GGAGATGAAGTACAGCTCGCGAGCTCTGCACTCTTCGGCATTAGGGATGGAGACAAAATTTTTGTGGAA
TCAAAAACAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205905 representing NM_001014089
 Red=Cloning site Green=Tags(s)

MDQPSGRSFMQVLCEKYPENFPYRRGPGMGVHVPATPQGSPMKDRLNLPVSVLNLNSCGITCAGDEREIA
 AFCAHVSELDLSDNKLQDWEVSKIVSNVPQLEFLNLSNPLSLVLEERTCAGSFGVVRKLVNNSKASW
 ETVHTILQELPDLEELFLCLNDYETVSCPSVCCHSLKLLHITDNNLQEWTEIRKLGVMFPSLDTLVLANN
 HVNAIEEPADSLARLFPNLRISLHKSGLQSWEDIDKLSNFPKLEEVRLGLIPLLPYTTTEERRKLVVAR
 LPSVSKLNGSVVTDGEREDSERFFIRYYVDVPQEEVPPFRYHELITKYGKLEPLAEVDLRPQSSAKVEVHF
 NDQVEEVSIRLDQTVaelKRQLKTLVQLPTSSMLLYYFDHEAPFGPEEMKYSSRALHSFGIRDGDKIFVE
 SKTK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

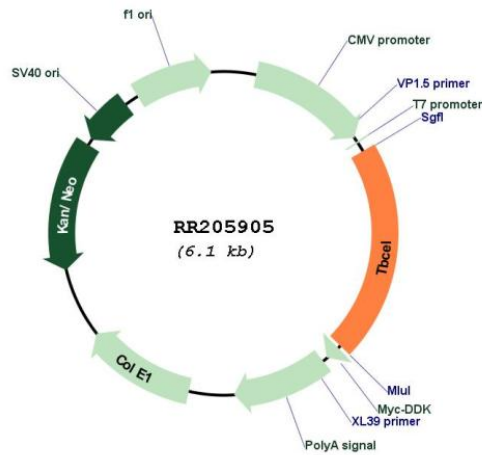
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001014089

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:	<ol style="list-style-type: none">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_001014089.1 , NP_001014111.1
RefSeq Size:	1566 bp
RefSeq ORF:	1275 bp
Locus ID:	315591
UniProt ID:	Q5PQJ7
Cytogenetics:	8q22
MW:	48 kDa
Gene Summary:	Acts as a regulator of tubulin stability.[UniProtKB/Swiss-Prot Function]