

Product datasheet for RC213346

TECTB (NM_058222) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TECTB (NM_058222) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TECTB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213346 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGACGAAGGCCTTTGTCTTGTGGCCATCTTGCAGAAGCCTCTGCAAAATCGTGTGCTCCAAATA
AAGCAGATGTCATTCTTGTGTTTTGCTATCCAAAACCATCATCACAAAATCCCCGAGTGTCCCTATGG
ATGGGAAGTTCATCAGCTGGCCCTCGGAGGGCTGTGTTACAATGGGGTCCACGAAGGAGGTTACTACCAA
TTTGTGATCCCAGATTTATCACATAAAAACAAGTCCTATTGTGGAACCCAGTCTGAGTACAAGCCACCTA
TCTATCACTTCTACAGTCACATCGTTTCCAATGACACCACAGTGATTGTA AAAAACCCAGCCTGTCAACTA
CTCCTTCTCCTGCACCTACCACTCCACCTACTTGGTGAACAGGCTGCCTTTGACCAGAGAGTGGCCACT
GTTACAGTGAAGAACGGGAGCATGGGCACATTTGAGAGCCAAGTCTCTCAACTTCTACACTAATGCCA
AGTTCTCCATCAAGAAAGAAGCTCCCTTTGTCCTGGAGGCATCGGAAATCGGTTTCAGATCTGTTTGCAGG
AGTGGAAGCCAAAGGTTAAGCATTAGGTTTAAAGTGGTCTTGAACAGCTGTTGGGCCACCCCTCGGCT
GACTTCATGTATCCCTTGCAGTGGCAGCTGATCAACAAGGGCTGCCCCACGGATGAAACCGTCTCGTGC
ATGAGAATGGGAGAGATCACAGGCAACCTTCCAATTCAATGCTTTCGGTTCCAGAACATCCCCAACT
CTCCAAGGTGTGTTACTGTGAGACGTTTCATCTGCGACAGTGAGAACTCTCCTGCCAGTGACCTGC
GATAAACGGAAGCGCCTCCTGCGAGACCAGACGGGGAGTCTGTTGTGGAGCTCTCCTGCGGAGCA
GGGGATTTCCAGTCTCTATAGCTTCTCAGATGTTCTCCACCACCTCATCATGATGTTGGGATTTGTGC
CGTGTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC213346 protein sequence
Red=Cloning site Green=Tags(s)

MVTKAFVLLAIFAEASAKSCAPNKADVILVFCYPKTIITKIPECPYGWEVHQLALGGLCYNGVHEGGYYQ
 FVIPDLSPKNKSYCGTQSEYKPPYHFYSHIVSNDTTVIKVNQPVNYSFCTYHSTYLVNQAAFQDRVAT
 VHVKNKSMGTFESQLSLNFYTNKAFSIKKEAPFVLEAISEIGSDLFAGVEAKGLSIRFKVVLNVCWATPSA
 DFMYPQLWQLINKGCPDDETVLVHENGDRHRATFQFNAFRFQNIKPKLSKVWLHCETFICDSEKLSCPVTC
 DKRKRLLRDQTTGGVLLVVELSLRSRGFSSLYSFDVLLHLLIMMLGICAVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6461_d11.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_058222

ORF Size: 987 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_058222.3](#)

RefSeq Size: 2810 bp

RefSeq ORF: 990 bp

Locus ID: 6975

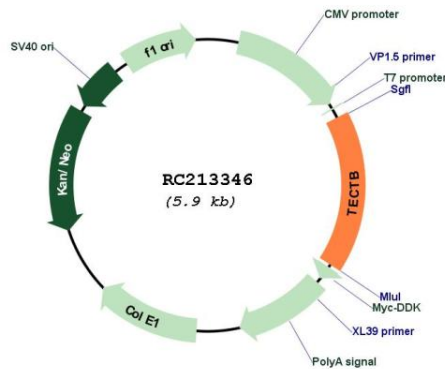
UniProt ID: [Q96PL2](#)

Cytogenetics: 10q25.2

MW: 37 kDa

Gene Summary: This gene encodes a non-collagenous glycoprotein component of the tectorial membrane, which covers the auditory hair cells in the cochlea of the inner ear. A similar protein in mouse functions in low-frequency hearing. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RC213346