

Product datasheet for **RG213346**

TECTB (NM_058222) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TECTB
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG213346 representing NM_058222
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGTGACGAAGGCCTTTGTCTTGTGGCCATCTTGCAGAAGCCTCTGCAAAATCGTGTGCTCCAATA
AAGCAGATGTCATTCTTGTGTTTGTATCCAAAACCATCATACCAAAATCCCGAGTGTCCCTATGG
ATGGGAAGTTCATCAGCTGGCCCTCGGAGGGCTGTGTTACAATGGGGTCCACGAAGGAGGTTACTACAA
TTTGTGATCCAGATTTATCACCTAAAAACAAGTCCTATTGTGGAACCCAGTCTGAGTACAAGCCACCTA
TCTATCACTTCTACAGTCACATCGTTTCCAATGACACCACAGTGATTGTAACCAAGCCTGTCAACTA
CTCCTTCTCCTGCACCTACCACTCCACCTACTTGGTGAACCAAGGCTGCCTTTGACCAGAGAGTGGCCACT
GTTACAGTGAAGAACGGGAGCATGGGCACATTTGAGAGCCAAGTGTCTCTCAACTTCTACACTAATGCCA
AGTTCTCCATCAAGAAAGAAGCTCCCTTTGTCTGGAGGCATCGGAAATCGGTTTCAGATCTGTTTGCAGG
AGTGAAGCCAAAGGGTTAAGCATTAGGTTTAAAGTGGTCTTGAACAGCTGTTGGGCCACCCCTCGGCT
GACTTCATGTATCCCTTGCAGTGGCAGCTGATCAACAAGGGCTGCCCCACGGATGAAACCGTCTCGTGC
ATGAGAATGGGAGAGATCACAGGGCAACCTTCCAATTCAATGCTTTCCGGTTCCAGAACATCCCCAACT
CTCCAAGGTGTGGTTACACTGTGAGACGTTTCATCTGCGACAGTGAGAACTCTCCTGCCAGTGACCTGC
GATAACCGGAAGCGCTCCTGCGAGACCAGACGGGGAGTCTGGTTGTGGAGCTCTCCCTGCGGAGCA
GGGGATTTTCCAGTCTCTATAGCTTCTCAGATGTTCTCCACCACCTCATCATGATGTTGGGATTTGTGC
CGTGTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG213346 representing NM_058222
Red=Cloning site Green=Tags(s)

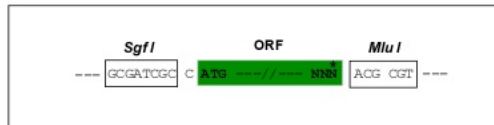
MVTKAFVLLAIFAASAKSCAPNKADVILVFCYPKTIITKIPECYPGWVHQLALGGLCYNGVHEGGYYQ
FVIPDLSPKNKSYCGTQSEYKPPYHYFYSHIVSNDTTIVKNQPVNYSFCTYHSTYLVNQAAFDQRVAT
VHVKNKSGMTFESQLSLNFYTNAKFSIKKEAPFVLEASEIGSDFAGVEAKGLSIRFKVVLNSCWATPSA
DFMYPLQWQLINKGCPTDETVLVHENGDRHRATFQFNAFRFQNIPLSKVWLHCETFICDSEKLSCPVTC
DKRKRLLRDQTGGVLVVELSLRSRGFSSLYSFDVLHHLIMMLGICAVL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCGCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGTACTAGTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGCGCGGAGCT

- - E E R V Stop

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: 990 bp

RefSeq ORF: 990 bp

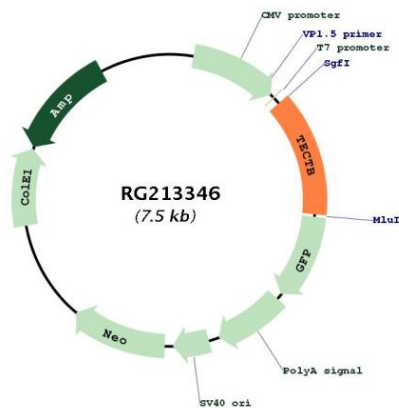
Locus ID: 6975

UniProt ID: [Q96PL2](#)

Cytogenetics: 10q25.2

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 RG213346