

Product datasheet for MR223617

Tectb (NM_009348) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tectb (NM_009348) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tectb
Synonyms:	Tctnb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223617 representing NM_009348 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGTGGTCAGGGCCTTCGTTTTGCTGGCCCTCTTGCAGAAGCCTCAGCGAAATCATGCACTCCGAATA
AAGCAGATGTCATCCTTGTGTTTTGTTATCCCAAGACCATCATCTAAAATCCCCGAGTGTCCCTATGG
ATGGGAAGTACACCAGCTGGCACTCGGGGGCTGTGTTACAACGGGGTCCATGAAGGTGGCTATTACCAG
TTTGTATCCCTGATCTGTACCTAAGAACAAGTCTACTGTGGAACCCAGTCAGAGTACAAGCCCCCA
TCTACCCTTCTACAGCCACATCGTGTCCAACGACAGCAGTATCGTGAAGAACCAGCCCGTCAACTA
CTCCTTCTCCTGCACCTACCACTCCACCTACTTGGTGAACCAGGCTGCTTTTGACCAGAGAGTGGCCACT
GTTACAGTCAAGAACGGGAGCATGGGCACATTTGAAAGCCAGTTGTCCTCAACTTCTACTAATGCCA
AGTTTTCCACAAAAAAGAGCTCCCTTCGTTCTGAAACGTCCGAAATCGGCTCAGATCTGTTGCGGG
AGTAGAAGCCAAAGGCCTAAGCGTTCGGTTCAAAGTGGTCTTGAATAGCTGCTGGCCACCCCTCGGCT
GACTTCATGTACCCCTTACAGTGGCAGCTCATCAATAAGGGTGCACCCACCGATGAGACAGTCTCGTGC
ATGAGAACGGCAAAGACCACAGGGCCACTTCCAATTCAATGCCTTCCGGTTCAGAACATCCCCAACT
TTCCAAGTGTGGTTACTGTGAGACGTTTCTGCGACAGTGAAGAAGCTCTCTGCCCGTGAAGTGT
GACAAACGGAAGCGCATGCTACGTGACCAGACAGGAGGTCTCTGTTGTGGAGTGTCCCTGAGGAGCA
GGGCATTTCCGGCCTCTGTGACTTCTCAGATGTTCTTCTCACCTCATCCTGATGCTGGGACCTGGGC
TGTGTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223617 representing NM_009348
 Red=Cloning site Green=Tags(s)

MVVRAFVLLALFAEASAKSCTPNKADVILVFCYPKTIITKIPECPYGWEVHQLALGGLCYNGVHEGGYYQ
 FVIPDLSPKNKSYCGTQSEYKPPYHFYSHIVSNDSTVI VKNQPVNYSFCTYHSTYLVNQAAFQDQVAT
 VHVKNKSGMTFESQLSLNFYTNKAFSTKKEAPFVLETSEIGSDLFAGVEAKGLSVRFKVVLSNCWATPSA
 DFMYPLQWQLINKGCPTDETVLVHENGKDHRAFQFNAFRFQNI PKLSKVWLHCETFICDSEKLSCPVNC
 DKRKRMLRDQTGGVLLVVELSLRSRAFSGLCDFSDVLLHLILMLGTWAVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9058_f05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009348

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.

RefSeq: [NM_009348.4](#)

RefSeq Size: 2725 bp

RefSeq ORF: 990 bp

Locus ID: 21684

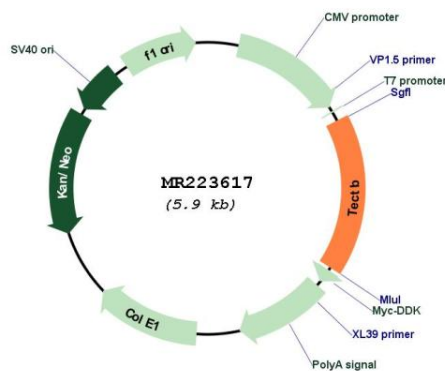
UniProt ID: [O08524](#)

Cytogenetics: 19 51.13 cM

MW: 37 kDa

Gene Summary: One of the major non-collagenous components of the tectorial membrane (By similarity). The tectorial membrane is an extracellular matrix of the inner ear that covers the neuroepithelium of the cochlea and contacts the stereocilia bundles of specialized sensory hair cells. Sound induces movement of these hair cells relative to the tectorial membrane, deflects the stereocilia and leads to fluctuations in hair-cell membrane potential, transducing sound into electrical signals.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223617