OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC225201

Tecta (NM_009347) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tecta (NM_009347) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tecta
Synonyms:	Tctna
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

```
>MC225201 representing NM_009347
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATTATTCATCATTACTTAGAATTTGGGTCTCTTTCATCTTCGCTCTTGTTCGGCACCAAGCTCAGC
CCAGGGAGCTCATGTATCCATTTTGGCAGAATGACACGAGAACCCCTAAAGTAGATGACGGAAGCTCCTC
TGAGATTAAGTTGGCCATCCCCGTCTTCTTCTTTGGTGTTCCTTACCGCACCGTCTATGTCAATAACAAT
GGTGTTGTTTCCTTCAACGTGCTAGTGAGCCAGTTTACACCAGAGTCCTTTCCCCTGACGGACGGGAGGG
CCTTCATTGCTCCATTCTGGGCAGATGTGCACAATGGAATTCGGGGTGAGATCTATTACAGAGAAACCAT
GGACCCCGCCATCCTGAGAAGAGCCACCAAGGACATCAGGAAGTACTTCAAAGACATGACCACCTTCTCT
GCCACTTGGGTTTTCATTGTGACCTGGGAGGAAGTCACGTTTTACGGAGGCAGCAGTACCACGCCTGTGA
ACACCTTCCAGGCTGTGCTGGTATCCGACGGCTCCTACACATTCACGCTCTTTAATTACTATGAGATCAA
CTGGACGACTGGGACAGCCAGCGGTGGCGACCCTCTAACAGGCCTTGGAGGTGTGATGGCACAGGCAGGA
TTTAATGGTGGAAACCTCACGAATTTCTTCAGTCTTCCGGGATCAAGGACCCCTGAGATTGTAAATATTC
AAGAGACCACAAATGTCAATGTTCCAGGACGCTGGGCATTTAAAGTTGACGGGAAGGAAATTGACCCGGC
CAATGGCTGCACCTCTAGAGGACAGTTCCTTCGTCGAGGGGAGGTGTTTTGGGATGACCTGAACTGTACC
ATCAAGTGTCGCTGTCTGGATTTCAACAATGAGATCTACTGTCAGGAGGCCTCCTGTAGCCCCTACGAGG
TGTGCGAACCCAAGGGTCGGTTCTTCTACTGCAGCCCAGTGGAGACCAGTACCTGTGTGGTATTCGGGGA
GCCACACTACCACACCTTTGATGGCTTCCTCTTCCACTTCCAAGGCTCGTGTGCTTACCTGTTGGCCCGA
CAGTGTCTACAAACCTCCAGCCTCCCCTTCTTCAGTGTGGAGGCCAAGAACGAGCACCGAGGGGGCTCTG
CTGTCTCGTGGGTAAAGGAGCTCTCTGTCGAGGTCAATGGCTACAAGATTCTCATTCCTAAAGGAAGCTA
TGGGAAAGTCAAGGTTAATGACCTAGTGACTTCTTTGCCCGTCACCTTAGAGTTGGGGGCGGTGAAAATC
TACCAGAGTGGCATGTCTACTGCCGTGGAAACAGATTTTGGGCTCTTAGTGACGTTTGACGGCCAGCACT
ACGCCTCCATTTCCATCCCAGGCTCTTACATAAACTCTACCTGTGGCCTATGCGGGAACTACAACAAAAA
TCCACTGGATGACTTCCTCCGCCCCGATGGCAGGCCCGCCATGTCGGTGCTGGACCTAGGAGAGAGCTGG
```

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

CGTGTCTACCATGCTGACTGGAAGTGTGGCTCTGGCTGTGTAGACAATTGTACTCAGTGTGATGCAGCCA
CTGAGGCCCTCTACTTTGGTTCTGACTACTGCGGCTTCCTCAACAAGACGGATGGCCCCCTGTGGGAGTG
CGGCACTGTTGTGGATGCCACGGCTTTTGTACACAGCTGTGTGTACGACCTGTGCAGTGTGAGGGACAAC
GGCACGCTCCTCTGCCAAGCCATTCAGGCCTACGCCTTGGTGTGCCAAGCCCTTGGCATCCCAATCGGAG
ACTGGAGAATCCAAACTGGGTGTGTGTCTACCGTGCGGTGCCCAAGCTTCAGCCATTACTCTGTATGTAC
CAGTAGCTGTCCGGACACCTGCTCGGACCTGACGGCCTCTCAGAACTGTGCCACTCCATGCACGGAAGGT
TGCGAGTGCAACGAGGGCTTTGTCCTCAGCACCAGCCAGTGTGTCCCTTTGCACAAGTGCGGCTGTGACT
TCGATGGCCACTACTATACCATGGGCGAGTTCTTCTGGGCCACCGCCAATTGTACAGTGCAGTGCTTATG
CGAAGAGGGAGGGGATGTCTACTGCTTCAACAAGACCTGCCGGAGTGGGGAGGTGTGTGCTGTGGAGGAC
GGTTACCAGGGCTGCTTCCCCAAGCGGGAGACGGTGTGCCTGCTCAGCCAGAACCAGGTACTACACACAT
TTGATGGCGCCGCCTACGCATTCCCATCCGAGTTATCATATACCCTACTCAAGACCTGCCCTGAGCGTCC
TGAGTACTTGGAAATTGACATCAACAAGAAGAAGCCTGATGCAGGGCCAGCTTGGCTCCGGGGTGTTCGG
ATCCTCGTGGCTGACCAAGAGGTCAAGATAGGAGGCGTCGGGGCTTTGGAAGTCAAGCTAAATGGTCAAG
ATGTGGAATTACCCTTTTTCCATCCTTCGGGGAGGTTGGAGATTCACAGAAACAAGAACAGCACAACTGT
GGAGTCCAAGGGTGTGGTGTCCGTCCAGTACTCCGATGTGGGACTACTGTACATCCGACTGTCCACCATG
TACTTCAACTGTACTGGAGGCCTGTGTGGCTTCTTCAATGCCAATGCCAGTGATGAGTTCTGCCTTCCTA
ATGGCAAATGCACAGACAACCTGGCGGTGTTCTTGGAGAGCTGGACAACATTTGAGGAAATCTGCAATGG
CGAGTGTGGGGACCTGCTGAAGGCCTGCAACAATGACTCCGAGCTGCTCAAGTTCTACCGGAGCCGCTCC
CGGTGTGGTATCATCAACGACCCCTCCAACAGCTCCTTCCTGGAGTGCCATGGGGTGGTTAATGTCACCG
CCTACTACCGCACCTGCCTGTTTCGCCTGTGCCAGAGCGGAGGCAATGAGTCAGAGCTGTGTGATTCTGT
GGCCCGCTATGCCAGTGCTTGCAAGAATGCAGATGTGGAGGTGGGCCCCTGGAGGACCTATGACTTCTGC
CCTCTAGAATGCCCGGAGAACAGCCATTTTGAGGAGTGTATGACATGTACAGAGACCTGCGAGACCCTGG
CCTTGGGCCCCATCTGTGTGGACAGCTGCTCTGAGGGATGCCAGTGTGATGAAGGTTATGCCCTGCAGGG
CAGCCAGTGTGTCCCTCGGAGCGAGTGCGGCTGCAACTTTGAGGGGCATCAACTTGCCACCAATGAGACC
TTCTGGGTAGACCAGGACTGCCAGATCTTCTGCTACTGCAATGGCACAGACAACAGTGTCCACTGTGAGA
CCATTCCCTGCAGGGACGATGAATACTGTATGGAAGAGAGTGGCTTGTACTACTGCCAGCCCCGTACTGA
TGCTTCCTGTATCGTCTCAGGCTATGGTCACTACCTCACCTTTGATGGCTACCCATTTGACTTCCAGACC
AGTTGTCCTCTTATCCTCTGCACCACAGGAAGCAGACCAATCTCAGACTCTTTCCCCAAGTTCATTGTAA
CAGCCAAGAATGAGGACCGGGACCCATCTCTAGCCTTGTGGGTGAAGCAGGTGGACGTGAACGTGTTTGG
CTACAGCATTGTGATACACCGGGCTTACAAGCACACTGTGTTGGTCAACAATGAGCGGTTGTACCTGCCC
CTGAAGTTAGGACAAGGGAAGATAAACATCTTTTCATTCGGCTTTCATGTGGTTGTGGAGACTGACTTTG
GCCTGAAGGTCGTGTATGACTGGAAGACCTTCCTGTCCATTACCGTCCCCCGGAGCATGCAGAACGGCAC
CTATGGCCTCTGTGGACGCTACAATGGCAACCCCGATGATGACCTTGAGATGCCCATGGGGCTGCCTGCA
CTGAGTATCAACGAGTTTGGCCAGAGCTGGGTGAAGAGAGACACCTTCTGCCAGGTGGGCTGTGGGGACC
GCTGCCCATCCTGTGCCAAAGTGGAAGGTTTCTCCAAAGTACAGCAGCTGTGCAGCCTGATCCCCAACCA
GAATGCTGGCTTTGCCAAATGTCACAGCAAAGTCAACCCCACCTTCTTCTACAAAAACTGCCTGTTTGAC
TCCTGTATCGATGGGGGTGCCGTGCAGACAGCCTGCAGCTGGTTACAAAACTATGCCAGCACTTGCCAGA
CTCAAGGAATCGCAGTGACCGGCTGGAGGAACTACACGTCCTGTTCGGTTACCTGCCCCCCCAACAGCCA
CTATGAGAGCTGTGTGAGCGTCTGCCAGCCCCGCTGCGCAGCCATCCGCCTGAAGAGTGACTGTAATCAC
TACTGCGTAGAGGGCTGCCAGTGTGATGCAGGCTACGTCCTCAATGGCAAGAGCTGCATCTTGCCCCACA
ACTGTGGCTGCTACTCAGATGGCAAATACTATGAGCCCAAGCAGCTATTCTGGAATGGGGACTGCACGCG
GCGCTGCCGCTGTTTCAGGCGCAACCTGATCCAGTGTGACCCACGCCAATGCAAGTCAGATGAGGAGTGC
GCCCTGCGCAGTGGGGTGCGCGGCTGCTTCAGCACCAAAACCTCCTACTGCCTAGCGGCAGGGGGTGGTG
TCTTCCGCACGTTCGATGGTGCCTTCCTGCGCTTCCCTGCCAACTGCGCCTTCGTGCTCTCAACCATCTG
CCAGAAATTGCCAGACATCTCCTTCCAGCTCATCATCAACTTCGACAAGTGGTCCTCGCCCAACCTCACT
ATCATCTCACCGGTCTATTTCTACATTAACGAAGAGCAGATTCTCATCAACGATCGGAACACTGTCAAGG
TGAATGGCACACAAGTAAATGTTCCATTTATAACGGGCTTGGCAACCAAAATCTACAGCAGCGAGGGGTT
TCTGGTGATCGACACCAGTCCCGACATCCAGATATATTACAATGGTTTTAACGTCATTAAAATCAGCATC
AGTGAGAGGCTACAGAACAAAGTGTGTGGGCTCTGTGGGAACTTCAATGGAGACATGACTGACGACTACG
TGACCTTGCGGGGGAAACCCGTGGTGAGCAGCGTGGTGCTGGCCCAGAGCTGGAAGACCAATGGCATGCA
GAAGAGACCTCTCGCCCCCAGCTGCAACGAGCTACAGTTCTCACAGTATGCAGCCACATGTGACAATGTG
CACATCCAGGCCATGCAGGGTGACGGCTACTGCCTGAAACTCACCGACATGAAGGGCTTCTTCCAGCCCT

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

GCTATGGGCTCCTTGATCCCCTCCCGTTCTACGAGTCCTGTTACCTGGATGGCTGCTACAACCACAAGAA
GTTCCAGCTGTGTGGCTCCCTGGCTGCCTACGGGGAGGCCTGCCGCTCCTTCGGCATCCTTAGCACCGAG
TGGATTGAGAAAGAGAATTGCTCAGGAGTGGTTGAAGACCCTTGTGTGGGGGCGGATTGTCCCAACAGGA
CCTGCGAGCTGGACAACGGAGGAGAATTATGTGGCTGCATTGAGCCACCCCCCTATGGAAACAATTCCCA
TGACATCATCGACGCGGAGGTGACCTGCAAGGCAGCCCAGATGGAAGTGTCCATATCTAAGTGCAAGCTC
TTCCAGCTGGGCTTTGAGAGAGAGGGTGTGAGAATCAATGACCGGCAGTGCTCTGGCATCGAGGGCGAGG
ATTTTATCTCCTTTCAAATCAACAACACCAAAGGGAACTGTGGGAACATCGTGCAGTCCAATGGCACTCA
TATCATGTATAAAAACACAATCTGGATTGAAAGTGCCAACAACACTGGCAACATCATCACGAGGGACCGC
ACGATCAATGTGGAATTTTCATGCGCTTATGAGCTAGATATCAAGATCTCCTTAGACTCTGTCGTGAAGC
CTATGCTAAGTGTCATCAACCTGACAGTTCCGACCCAGGAGGGCAGCTTCACCACCAAGATGGCACTCTA
TAAAAATGCTTCCTACAAACACCCTTACCGCCAAGGGGAAGTTGTGCTGACAACTCGGGATGTGCTGTAC
GTGGGCGTCTTTGTGGTCGGAGCTGACTCTACACACTTGATTCTCACACTCAACAAATGCTACGCCACCC
CCTCCCGAGACAGCAACGACAAGCTTCGGTACTTCATCATCGAAGGAGGATGTCAGAACATCAAAGACAA
CACCATTGGCATAGAGGAGAACGGAGTGTCCCTAACCTGTCGTTTCCACGTCACCGTCTTCAAGTTCATC
GGAGACTACGATGAAGTTCATCTTCACTGTGCAGTGTCCCTCTGTGACTCAGAGAAATACTCTTGCAAGA
TTAATTGCCCACAAAATTCCAGGATCGCCACAGATTATTCAAAAGAGCACAAAGAACAGATCATTTCAGT
GGGACCCATTAGGAGAAAAAGGCTGGACTGGTGTGAAGACAACGGCGGCTGTGAGCAGATCTGCACCAGC
CGGGTCGACGGGCCTCTGTGCAGCTGTGTGACCGGATCCCTGCAAGAAGATGGAAGGAGCTGCAGAGCCT
CTAATTCTTCAGTGGAACTTCAAGTTTGGACACTTCTTCTCATCATGACCCAGATCTCACTGTGGCATTT
GATCTATAAATCAGGCGCAACCTCATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_009347

Insert Size: 6468 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_009347.3, NP_033373.2

RefSeq Size: 7341 bp

RefSeq ORF: 6468 bp

Locus ID: 21683

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

UniProt ID: O08523

Cytogenetics: 9 23.63 cM

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]
Transcript Variant: This variant (1) encodes the longer protein (isoform 1). 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.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US