

## Product datasheet for SC114974

### TEKT2 (NM\_014466) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TEKT2 (NM_014466) Human Untagged Clone
Tag:	Tag Free
Symbol:	TEKT2
Synonyms:	h-tektin-t; TEKTB1; TEKTIN-T
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114974 sequence for NM_014466 edited (data generated by NextGen Sequencing)

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ATGGCCACGCTGAGCGTCAAGCCAAGTCGGCGCTTCCAGCTGCCGACTGGCACACTAAC
AGCTACCTGCTATCCACCAATGCCCAGCTGCAGCGAGATGCTTCCCATCAGATCCGCCAG
GAGGCCCGGGTGCTCCGCAACGAGACCAACAACAGACCATTTGGGATGAACATGACAAC
AGGACTCGACTGGTGGAGAGGATTGATACTGTCAACCGGTGGAAGGAGATGCTGGACAAG
TGTCTGACAGATTTAGATGCCGAGATCGATGCCCTGACACAGATGAAGGAGTCAGCAGAG
CAAAACCTGCAGGCCAAGAACCTGCCTTGGATGTGGCCATTGAGTGCCTGACCTGCGG
GAAAGCCGGCGAGACATTGATGTGGTGAAGGACCTGTGGAGGATGAGCTGCATAAAGAG
GTGGAGGTCATCGAGGCCACCAAGAAGGCCTTGCAACAGAAGGTCAGCCAGGCCTTCGAG
CAGCTCTGNNTCTTGAGGAAGTCCAACAGCAGCTCAACTCCGACCATCGGGGCAAATG
GAGACACTAGAGATCGACAGAGGCTGTCTCTCTCAACCTCAGATCCCCAAACATCTCG
CTGAAGGTTGACCCACACGTGTACCTGATGGCTCCACCACACTCCAGCAGTGGGATGAC
TTCAGTCGGTTCAACAAGGACCGAGCGGAGGCTGAGATGAAGGCAGCCACAGAGCTGAGG
GAGGCCACTGCTCTAACTATTGCTGAGACCAACAACGAGCTTGAAGCCCAGAGAGTTGCA
ACGGAATTTGCCTTCAGGAAGCGGCTGCGGGAGATGGAGAAAAGTGTACAGTGAGCTCAAG
TGGCAAGAGAAGAATACCTTGGAGGAGATCGCTGAGCTGCAGGAGGACATCCGGCACCTG
GAGGAGGATCTGCGCACAAAGCTCCTGAGCCTGAAGCTGTCCCATACCCGGCTAGAGGCC
AGAACCTACCCGCCAACGTGGAACCTGCGCCGGACAGGCACAGTACGGCCTCACCGGAC
GAGGTTACCCAGCTAGAGGCAACCATCGCTGCCCTGAAGCAGAAGCTGGCGCAAGCACAG
GACGCACTGGACGCCCTGTGCAAGCACCTGGCCCGGCTGCAGGCTGACATTGCCTGCAAG
GCCAACTCCATGCTGCTGGACACCAAGTGCATGGACACGCGGCGCAAGCTGACCGTGCCT
GCTGAGAGGTTTCGTGCCTGAGGTGGACACCTTCACACGTACCACAATAGCACCTGAGT
CCTCAAAAGCTGCCAGCTGGAGCTGGCCTAG

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Clone variation with respect to NM\_014466.2  
489 c=>n;490 c=>n;1179 a=>g



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_014466 unedited            ATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGGAGAGCGAAGCGGGAA            AGGAGGTGGTGTCTGTGAACAGGCCTAGGGGTTTCTGACCCTTCTGGTTTCTGTGCCATG            GCCACGCTGAGCGTCAAGCCAAGTCGGCGCTTCCAGCTGCCCGACTGGCACACTAACAGC            TACCTGCTATCCACCAATGCCAGCTGCAGCGAGATGCTTCCCATCAGATCCGCCAGGAG            GCCCGGTGCTCCGCAACGAGACCAACAACCAGACCATTGGGATGAACATGACAACAGG            ACTCGACTGGTGGAGAGGATTGATACTGTCAACCGGTGGAAGGAGATGCTGGACAAGTGT            CTGACAGATTTAGATGCCGAGATCGATGCCCTGACACAGATGAAGGAGTCAGCAGAGCAA            AACCTGCAGGCCAAGAACCTGCCTCTGGATGTGGCCATTGAGTGCCTGACCCTGCCGGAA            AGCCGGCGAGACATTGATGTGGGTGAAGGACCCTGTGGNAGGATGAGCTGCTAAAAGGTG            GGNAGGTCATCGAGGCCACCAAGAAGGCCTTGAANCAGAAGGTCAGCCAGGCCTTCGAC            AGCTCTGAAGGGAAAGGCAAGGTCGTCGCGATGGTTCATGGGCCCTGGAGGCTGTGTGC            CTTCAATGTGGACACAGGATGTGGGGATGAAGGACCAACTGCTCCTCGTGTACATTTT            GCCCTCTGGTGGCCTGTGACAGAAAACCTAATCAATTGTAGCACTCTCCCACTGCCT            GGACATGGGGCTCAGAATACTTCTCACGACCCTGGCCTGGCAACCGGTATCCACTGATT            GGGAGCAGGGAAAGGTGACCCCGTTGCCAACCCCTGAGTACTCTGG</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_014466 unedited            AGCTATGNACCCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTT            GAGAACCCTCTGCATTTATTCCATTCTCTCCTCCCTCCTTCCATTGCCACCCAAC            CCTGCCCTCCTCTGCAGTCTCCAAGGCTAGGCCAGTCCAGCTGGCAGCTTTTGTAGTG            GACTCAGGGTGTATTTGTGGTACGTGTGAAGGTGTCCACCTCAGGCACGAACCTCTCAG            CAGGCACGGTCTAGTTCGCGCGTGTCCATGCACTTGGTGTCCAGCAGCATGGAGTTGG            CCTTGCAGGCAATGTGAGCCTGCAGCCGGCCAGGTGCTTGCACAGGGCGTCCAGTGCCT            CCTGTGCTTGCGCCAGCTTCTGCTTCAGGGCAGCGATGGTTGCCTCTAGCTGGTGAACCT            CGTCGGTGAAGCCGACTGTGCCTGGTCCCAGGAGTCCACGTTGGGCCGTTAGGTTT            TGGCCTTAGCCGGGTATGGGACAGCTTCAAGGCTCAGGAGCTTTGTGCGCAGATCCTCCT            CCAGGTGCCGGATGTCTCCTGCAGCTCAGCGATCTCCTCAAGGATTTCTTCTTTGCC            ACTTGAGTCACTGTACACTTTCTCCATCTCCCGCAGCCGCTTCTGAAGGCAAATTCGG            TTGCACCTCTCTGGGCTCAAGTCTGTTGGTCTGAAGGAGAAAACACAGGGCAAGGG            GAGGGTCTACACTCAGGGCTGCCTGAGGATATTACTCAAGCGAGGGGCAGGGGCCACAT            GCCCAGCAAGGAACAGAAGTAAGGGCTGAGCGCACACTGGGACCATCCATTAGCTGTGG            TTGCCCTGTACCTCAGCAATATTTAGAGCAGTGGCCTCCTCAGCTCTGTGGCTGGCTT            CATCTCAACCTCGCTCGGGCCTTGTGGACCGACTGAAGTCTCCACTGCTGGATGNGGGT            ANCTCAGTTGCAGGAAAAG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_014466
<b>Insert Size:</b>	2550 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_014466.2](#), [NP\\_055281.2](#)

**RefSeq Size:** 1536 bp

**RefSeq ORF:** 1293 bp

**Locus ID:** 27285

**UniProt ID:** [Q9UIF3](#)

**Cytogenetics:** 1p34.3

**Domains:** Tektin

**Gene Summary:** This gene product belongs to the tektin family of proteins. Tektins comprise a family of filament-forming proteins that are coassembled with tubulins to form ciliary and flagellar microtubules. This gene is expressed in the testis and its protein is localized to the flagella of the sperms, indicating that it may play a role in spermatogenesis. [provided by RefSeq, Jul 2008]