

Product datasheet for **RN207110**

Tekt2 (NM_001011977) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Tekt2 (NM_001011977) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Tekt2
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >RN207110 representing NM_001011977
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTACACTAAGTCTCAAGCCTAGCCAACGCTATCGGCTCTCCGACTGGCTCACCAACAGCTACCTGT
 TGTCCACCAATGCGGAGCGGCAGCGAGATGCTTCCCACCAGATCCGCCAGGAGGCCCGGATCCTTCGCAA
 TGAGACCAACAACCAGACTGTGTGGGATGAACATGACAATAGGACTCGCCTCGCCGAGAGGATCGATACT
 GTCAATCGATGGAAGGAGATGCTGGACAAGTGTCTAACAGATTTAGACGCTGAGATCGACAGCTTGACAC
 AGCGGAAAAGAGTCAGTGGAGCAAAGCCTGCAGGCCAAGAACCTGCCCTGGATGTGGCCATCGGATGTCT
 GACTCTGCGGGAGAGTCGCGGAGACATTGATGTGGTGAAGACCCGGTGGAGGAAGAGCTGATGAAAGAG
 GTGGAAGTCATTGAAGCCACCAAGAAGGTCTACAGGAGAAGATCAGCCAGGCCTTCCAGCACCTCTGCC
 TCCTGCAGGAAATCCGGCAACAGCTCAACTCTGACCACCGGGACAAAATGGAGACTGGAAATTGATAG
 GGGCTGCCTCTCTCAACCTCACGGCCCCAAACCTCTCTGAAAGTCAACCCACACGAGTCCCCAAA
 GACTCCACCACACTGCAGGAGTGGGATGACTTCACTCGATTCAACAAGAACCGTGCAGACACGGAATGA
 AAGCATCTATAGAGTTGAGGGAAACATTGCCCTAGCTATCGCTCAGACCAACAATGAACTGGAAGCTCA
 GAGGGTTGCGACAGAATTTACCTTCAGGAAGCGGCTTCGGGAGATGGAAGTTTGTACAGTGAGCTCAAG
 TGGCAAGAGAAAAATACTTTAGAAGAGATAGCCGAGCTGCAGGCAGACATTTCGGCGCTGGAGGAGGACC
 TCGGTAGAAAGATGATGAACTTGAAGCTTGACATACCCGCTGGAATCCAGAACCTACCGCCCAATGT
 GAACTCTGCCGGGACCAGCCAGTATGGCCTCATTGATGAAGTCCACCAGCTGGAGGCAACCATTAGT
 ATCATGAAGCAGAACTTGCGCAGACACAGGATGCTCTGGATGCCTGTTCAAGCACCTGGCCCGGATTC
 AGGCTGATATTGCGTGCAAGACCAACACCATGCTCTTGGACACCAAGTGTATGGACATCCGACGCAAGCT
 GACCGTGCCGGCTGAGAAATTTGTGCCAGGTGGACACCTTACGCGCACGACAAAACCGCACACTGAGT
 CCACTCAAACCTGCCAGCTGGAGCTAACT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001011977
Insert Size:	1293 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:	<ol style="list-style-type: none">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:	<u>NM_001011977.1</u> , <u>NP_001011977.1</u>
RefSeq Size:	1555 bp
RefSeq ORF:	1293 bp
Locus ID:	298532
UniProt ID:	<u>Q6AYM2</u>
Cytogenetics:	5q36
Gene Summary:	Structural component of ciliary and flagellar microtubules. Plays a key role in the assembly or attachment of the inner dynein arm to microtubules in sperm flagella and tracheal cilia. Forms filamentous polymers in the walls of ciliary and flagellar microtubules. [UniProtKB/Swiss-Prot Function]