

Product datasheet for **MR230506**

Tekt5 (NM_001291001) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tekt5 (NM_001291001) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tekt5
Synonyms:	3300001K11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230506 representing NM_001291001
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAATTTCTTGAACCACTCAGACAGCGAGTTTCTGTGGCCCAAGAAAGGCTGTGGCTTGCAGCGC
 TGCCCCCTGCTGGGCAGGAACCTGTGGTACAGGAGTGCTACCAACCTTTACCTGCCCGGATACCGCTA
 CCTGAACGCGTGGAGACCCAGCGTCTTCCACAAGATCGCCACCTCCCAGACAATCCCGAGGAATGCTCA
 GGCATCCGGCGGCCGCCACCATCCTGCCCTCGCTCCGCTCCGCGCTTCTGTGCTACACCCCAAGGG
 ACTGGGACCGCTCCAATGATCTGCAGATCAGGAATGCAGAGGCCCTCGCGGCTCTGGGCCAGCCGGCTGAC
 AGGCGACTCGTGCAGATCATGCAGGATAAGGACCAGCTGATACACCAGATGCAGGAGGGAACCTCCCGG
 AACTTGGGCCAGAGGCTATCCGACCTCGGTTTCTGGAAGTCCGAGTTGTGCTATGAGCTGGACAGGCTTC
 TGACGGAGAACAGCAGCATGGACACCTCAAGAGGCGCTTGGAGTCCGCTGCTGAGGAGGTGAACGTGCC
 CTTGCAGGTGGCCCTGGAGTGTCTGTACAATCGGGAGAAAAGGATCGGGATTGACTGGTCCATGACAAC
 GTGGAGAAAAACCTTATCCGGGAAGTAGATTTACTAAAATGTTGCCAAGATCAGATGAGAAAAATTAGCTA
 AACGAATTGATTTCCAGATTCGAGATAACCGGGATGCTCAGCACTCCCTAGAGCGGGATATTGAAGACAA
 GAGCTCTGCACAGTATATTGACGAGAATTGTTTAACTAAGAAGCACGTCTGACTCCATCAGCTTCTTC
 CACGGCGTGGAGAAGTTTGACGGAACGGTCTCCATTCTGAAACCTGGGCCAAGTTCAGCAATGACAACA
 TCAGACATGCTCAGAACATGCGGGCTAACTCCATCCGGCTGCGGGAAGAGGCAGAGCACCTGTTTGAGAC
 CTTGTCCGACCAGATGTGGAAGCAGTTCACCAACCAACCTAGCCTTCAACGCTCGCATCTCTGAGGAG
 ACAGATGTGAAGAACAAGCTGCAGACACAGCTGGCTAAGATACTGCAGGAGATCTCCAGGCAGAAAACA
 CCATCATGTTGCTGGAGAGGCCATTGTGGCCAAGGAATACCCACTGAAGATGGCCCAGACCATTAGTGC
 ATGCAGGACCCGACGGCCAATGTGAACTCTGCAGGGATGTGCCACAGTTCAGGCTCGTGAATGAGGTC
 TTCACCATAGACGACACTCTACAGACGCTCAAGCTGAGGCTTCCGGGAGACGCAAGACACGTTGCAGCTGC
 TGGTGATGACCAAGTCCCGTCTGGAGCAGGAGCTGGCCATCAAAGCCAACACCTTGTGTATTGACAAGGA
 CAAATGCATGAGCATGCGCAAATCCTTCCCGCAGCACACCCCGCTGACTGGCTACACCTGCTCTGCCATC
 GGTTACAGGCCCTTACGCCAACACGCCCCTCGTATCAGCTCCGGCCCCTGCAGCGGCTCAGCGCTTGTGA
 AAGCCCCGCTCGTGTGGGGCGGGGCTTGTGTGGAGGAGGGGCTTGTGCGGGGTACGCCCTTG
 TGGCTCCGCGCTTGTGCCACTCTGTGCCGTTTCCAGCCCTGGCTTGCACCGGTGTGT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

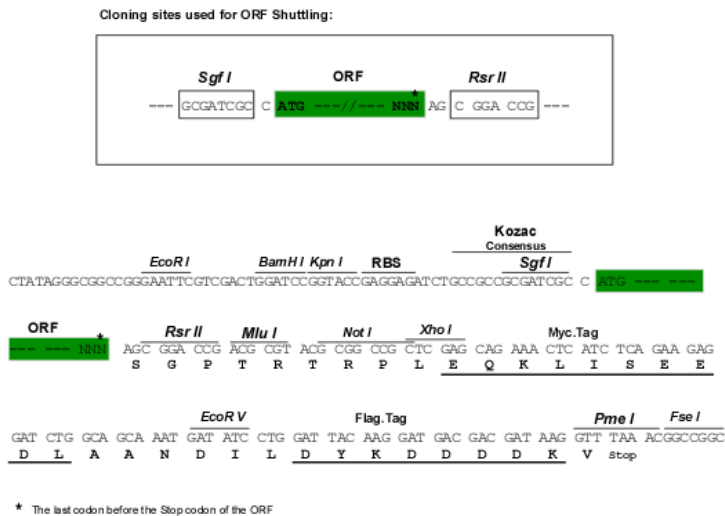
>MR230506 representing NM_001291001
 Red=Cloning site Green=Tags(s)

MEFLGTTQTASFQPKKGCGLQALPPAQEPVVQECYQPFHLPGYRYLNAWRPSVFHKIATSQTPIPEECS
 GIRRPPTILPSLRSALFCRYTPRDWDRSNDLQIRNAEASRLWASRLTGDSLRLIMQDKDQLIHQMREGTSR
 NLGQRLSDLGFWKSELCYELDRLLTENSMDTLKRRLECAAEVNCPLQVALECLYNREKRIGIDLVDN
 VEKNLIREVDLLKCCQDQMRKLAKRIDFQIRDNRDAQHSLELDIEDKSSAQYIDENCFLNRSTSDSISFF
 HGVEKFDGTVSIIPETWAKFSNDNIRHAQNMANSIRLREEAEHLFETLSDQMWKQFTNTNLAFNARISEE
 TDVKNLQTLAKILQEIFQAENTIMLLERAIVAKEYPLKMAQTMLACRTRRPNVELCRDVPQFRLVNEV
 FTIDDTLQTLKRLRETQDTLQLLVMTKSRLEHELAIKANTLCIDKDKCMSMRKSFSTPRLTGYTCSAI
 GSGPYANHAPRISSGPCSGSALCKGPASCGGGASCGGGASCGGHAPCGSALCSHSVSRSGPFAPVC

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_001291001

ORF Size: 1671 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_001291001.2](#)

RefSeq Size: 1774 bp

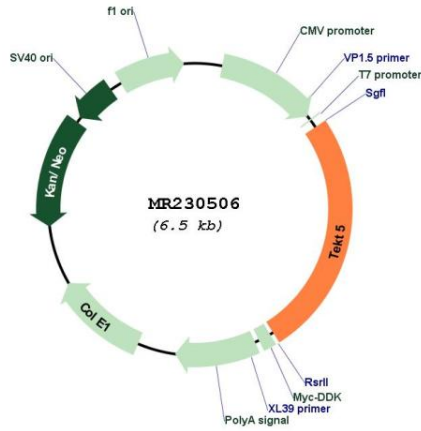
RefSeq ORF: 1674 bp

Locus ID: 70426

UniProt ID: [G5E8A8](#)

Cytogenetics: 16 A1
MW: 63.2 kDa
Gene Summary: May be a structural component of the sperm flagellum.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230506