

Product datasheet for **RG205459**

TEKT1 (NM_053285) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TEKT1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205459 representing NM_053285
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTAAACTATTACAACCTCCACCAAGTTCCTGCCCTCAGAGTGGCACATTGCTAACAGAACCAGT
ACCACAGAGCAGACGCTCAAAGGTCCCGATCAGAACGCCTGGTCGAGAAAGCCAGAGGCTTGTGGATGA
AATTGAAAAGACCACAAGAAATCTCAAAGCGATGTGAACAAGAACTAGAACAGAGACTCGAGGAAGTC
CAGTTCTGGAAGAAGGAGTTAGATGACAACTTGAGCAGCTTGTGAATGTAAGTATGATGATCTACTCATAT
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ATACAGGGAGAAGCGCATTGGCATTGACCTGGTGCACGACACAGTGGAGCATGAGCTGATAAAGGAGGCT
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ACCGCTCTGCCAAGTACAATCTTGAGAAGGATTGAAGGACAAGTTTGTGGCCCTGACCATAGATGATAT
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TCCGTGAGTCTGGAAGACTGGTTGGACTTCTCCAGCACCAATGTGGAGAAGGCTGACAAGCAGCGGAACA
ACTCCCTGATGCTGAAAGCCCTGGTGGATCGAATCCTGTCCAGACAGCCAATGATCTGCGCAAGCAGTG
TGATGTGGTGGACCGGCATTCAAGAATGGGCTGAAGGATACAAAGGATGCCAGGGACAAGCTGGCTGAT
CATCTGGCCAAGGTCATGGAAGAGATTGCTTCCAGGAGAAAAATATTACAGCTCTTGAAAAGGCCATCC
TTGACCAAGAAGGGCCAGCCAAGGTGGCTCATACGCGCTTGGAGACCAGGACACACCGGCCGAACGTGGA
GCTGTGTCTGTGATGTCGACAAATATAGGCTAATGAAGGAGGTTCAAGAGATCACCCACAATGTCGCAAGA
TTGAAGGAACTTTAGCCCAAGCTCAGGCAGAGCTGAAAGGGCTGCATCGCAGACAGCTTGCCTGCAGG
AGGAGATCCAGGTCAAAGAGAACACCATTTATATCGACGAAGTGTGTATGCAGATGAGGAAATCCAT
CCCCTTGGGATGGGAAGACCATGGGCTGGGCTGGGGCCTCCGCCCTGATGCTGTCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



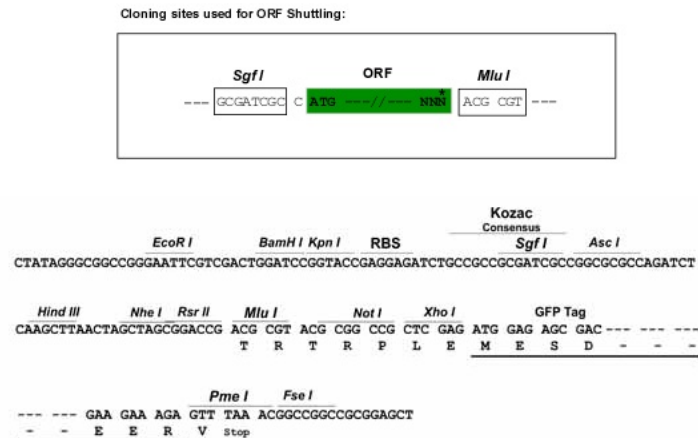
Protein Sequence: >RG205459 representing NM_053285
Red=Cloning site Green=Tags(s)

MAKLLQPPPKFLPSEWHIANKNQYHRADAQRSRSERLVAESQRLVDEIEKTTRKSQSDVYNKKLEQRLEEV
QFWKKELDDKLEQLVNVTDLLIYKIRLEKALETKEPLHITETCLAYREKRIGIDLVHDTVHELIIKEA
EIIQGIMALLTRTLEEASEQIRMNRSKYNLEKDLKDKFVALTIDDICFSLNNNSPNIRYSENAVRIEPN
SVSLEDWLDSSSTNVEKADKQRNNSMLKALVDRILSQTANDLRKQCDVDTAFKNGKDKTDARDKLAD
HLAKVMEEIASQEKNITALEKAILDQEGPAKVAHTRLETRTHRPNVELCRDVAQYRLMKEVQEITHNVAR
LKETLAQAQAEKGLHRRQLALQEEIQVKENTIIYIDEVLCMQMRKSIPLRDGEDHGVWAGGLRPDAVC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053285

ORF Size: 1254 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_053285.2](#)

RefSeq Size: 1428 bp

RefSeq ORF: 1257 bp

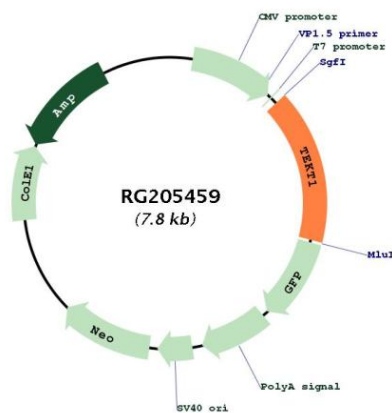
Locus ID: 83659

UniProt ID: [Q969V4](#)

Cytogenetics: 17p13.1

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 predominantly expressed in the testis and in mouse, tektin 1 mRNA was localized to the spermatocytes and round spermatids in the seminiferous tubules, indicating that it may play a role in spermatogenesis. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG205459