

Product datasheet for **RG206395**

TEKT3 (NM_031898) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TEKT3 (NM_031898) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TEKT3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206395 representing NM_031898
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAACGTGTAGGTTGTACTTTAACGACAACCTACGCCACCCCTAGACCAACCAACCAACTTTCTAC
 CAGCCATCAGTACCATGGCTCAAGCTACAGGGACCGCTTCCCACTCCAATTTGACCCATAGCCTGAG
 CCTTCCTTGAGACCCAGCACATACTACAAAGTCGCTCCAATTCCTCAAGCGTGGCCCCGTACTGCACC
 AGATCACAGAGGGTGTCCGAGAATACCATGCTTCCCTTTGTTTCCAACAGAACCCTTTCTTACAAGAT
 ACACACCCGGATGACTGGTACAGGTCCAATTTAACCAACTATCAAGAGTCCAACACTTCCCGACATAATTC
 GGAGAACTAAGAGTGGATACATCTCGCTGATTCAAGACAAATATCAACAAACAAGAAAACTCAGGCA
 GACACAACCCAAAATCTGGGAGAACGTGTCAATGACATAGGGTTTGGAAATCTGAAATCATTATGAGT
 TGGATGAAATGATTGGAGAGACAAATGCACCTACTGATGTGAAGAAAAGACTGGAGCGGGCTTTGATGGA
 GACTGAAGCCCTCTTCAGGTAGCCGAGAATGTCTATTTTCATCGAGAAAAGAGAATGGGAATCGACCTA
 GTTCACGATGAAGTTGAAGCACAACTGCTGACGGAAGTTGATACTATTCTGTGTTGTCAAGAAAAGATGA
 AGCTACATTTGGATAAGGCTATTGCCAACTTGCAGCCAACAGAGCGTCCAGCATGAGCTGGAAAAGGA
 CCTGAGTGACAAACAGACGGCTTACCGGATCAACGACAAATGCCACCCTGCGCAACACATCAGACGGT
 GTCGGCTACTTCCGCGGAGTGGAGAGGGTGCATGCAACTGTCTCAGTGCCTGAGTCTGGGCCAAATTTA
 CAGATGACAAATTTCTCCGCTCCAGAGTGAACGGGCAGCTTCCGCTAAGCTAAGAGACGACATTGAAAA
 CCTTTGGTTGTGACTGCCAATGAGATGTGAAATCAGTTCAACAAAGTGAACCTTGTCTTTACCAATCGC
 ATTGCTGAGACTGCAGATGCTAAGAATAAGATTACAGACGCACTTAGCAAAGACCCCTGCAGGAGATTTCC
 AGACTGAAATGACCATAGAATCCATCAAGAAGGCCATCAAGGACAAGACTGCCTTCTGAAGGTGGCTCA
 GACCAGACTGGATGAGCGCACAAAGACGCGCAACATTGAGTTGTGCCGAGACATGGCTCAGCTACGCCTT
 GTTAACGAGGTACACGAGGTTGACGACACCATCCAGACCCCTGCAGCAGCGCTGAGGGATGCAGAGGACA
 CCCTGCAGTGCCTGCCACATCAAAGCCACCCTCGAGTATGACCTGGCTGTCAAAGCCAATTCCTGTGA
 CATCGACCAGGAAAAATGCATGAGCATGCGCAAGAGCTACCCCAACACCCTCCGGCTGGTCGGCTTCTGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG206395 representing NM_031898
 Red=Cloning site Green=Tags(s)

MERVGCTLTTTYAHPRTPTNFLPAISTMASSYRDRFPHSNLTHSLSLPWRPSTYYKVASNSPSVAPYCT
 RSQRVSENTMLPFVSNRTTFFTRYTPDDWYRSNL TNYQESNTSRHNSKLRVDTSRLIQDKYQQTRKTQA
 DTTQNLGERVNDIGFWKSEIIHELDEMIGETNALTDVKKRLERALMETEAPLQVARECLFHREKRMGIDL
 VHDEVEAQLL TEVDITLCCQERMKLHLDKAIAQLAANRASQHELEKDL SDKQTAYRINDKCHHLRNTSDG
 VGYFRGVERVDATVSVPEWAKFTDDNILRSQSERAASAKLRDDIENLLVVTANEMWNQFNKVNLSFTNR
 IAETADAKNKIQTHLAKTLQEIFQTEMTIESIKKAIKDKTAFKVAQTRLDERTRRPNIELCRDMAQLRL
 VNEVHEVDDTIQTLQQLRDAEDTLQSLVHIKATLEYDLAVKANSLYIDQEKCMSMRKSPYNTLRLVGF

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_031898

ORF Size: 1470 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_031898.1](#), [NP_114104.1](#)

RefSeq Size: 1707 bp

RefSeq ORF: 1473 bp

Locus ID: 64518

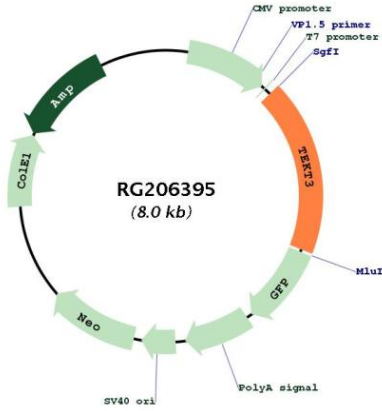
UniProt ID: [Q9BXF9](#)

Cytogenetics: 17p12

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. The exact function of this gene is not known. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG206395