

Product datasheet for **MG224492**

Tekt3 (NM_027660) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tekt3 (NM_027660) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tekt3
Synonyms:	4933407G07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG224492 representing NM_027660
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAACCTTTAGGTTCTACTTTGACGGCTACATATGCCACCCTCCACCTGCATCGGCCAGCTTTCTAC
 CAGCCATTGGTACCATAACATCGAGCTATAAGGACCGCTTTCCCATCGCAATCTGACACATAGCTTGAG
 CCTTCCATGGAGACCGAACCTACTACAAAACGGCCTACAACCTACCAACCTTGCCCCGTA CTCTCG
 AGGTCCCAGAGAGTGTGTGAGAGCACCATGCTCCCTTTCTGTCCAATAGGACCACCTTTCTCACGAGGT
 ACACCCCTGACGACTGGTACCGTCCAATCTAGTCAGCTTCCAGGAGTCCAATTCCTCACGGCACAACCTC
 AGAGCGACTCAGAGTGGATACATCTCGGCTCATTCAAGACAAATACCAGCAGATCCGGAAGACCCAGGCT
 CACTCTACCCAAAACCTGGGAGAACGAGTCAATGACTTAGCGTTTGGAAATCTGAAATCACACATGAGT
 TGGATGAAATGATTGGAGAGACAAATGCACTGACTGATATTAAGAGAAGGCTGGAGAGGGTTTGATAGA
 GACTGAAGGCCCTCTGCAGGTTTCCCGAGAGTGTCTCTTCCACGCGAGAAGAGAATGGGAATCGATCTT
 GTTCACGATGAAGCCGAGAAAGAACTACTGGCGGAAGTTGATACCATCTGTGTTGTCAAGAAAGATGA
 GGCAACATCTGGATAAGGCGAATGCCAACTCGCTCAGACAGATCTGCACAGCATGAGCTGGAGAAGGA
 TCTGAGTGACAAGCAGGCCGCCCTCCGATTGATGATAAATGCCAGCACCTGCGCAACACTTCCGAGGGC
 GTCAGCTACTTCCGGGGCGTGGAGAGAGTCGATGCAACGGTATCAGTGCCCGAGACATGGGCCAAGTTTA
 CGGATGACAATGTTCTCCGCTCCAGAGTGAGAGGGCAGCTTCTGCTAAGCTCAGAGAGGAACTGAGAA
 CCTCTGATTGTGACAGCCAATGAGATGTGAATCAGTTCAACAAAGTGAAGTTGGCTTTACCAATCGC
 ATTGCCGAGACTGTCGATGCTAAGAATAAGATTCACTCACTTAACGAAGACCTGCAGGAGATCTTCC
 AGATTGAAATGACCATAGAATCCATCAAAAAGGCCATCAAGGAAAAGTCTGCCTTCTGAAGGTGGCGCA
 GACCCGGCTGGATGAGAGAACGAGGAGGCCAAACGTAGAGCTGTGCAGGGATATGGCTCAGTTACGCCCT
 GTTAACGAGGTCTATGAGGTAGACGAGACCATCCAGACTCTGCAGCAGCGCTGAGGGATTGAGGAGACA
 CCTTGCACTCCTTGCCCCATACCAAAGCCACCCTGGAGCATGACTTGGCTGTGAAAGCCAACACTCTGTA
 CATCGACCAGGAAAAATGCATGAGCATGCGCAATAGCTACCCAGCACCTCCGGCTGGTGGGCTACTGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG224492 representing NM_027660
 Red=Cloning site Green=Tags(s)

MELLGSTLTATYAHPPPASASFLPAIGTITSSYKDRFPHRNLTHSLPWRPNTYYKTAYNYPTLAPYSS
 RSQRVCESTMLPFVSNRTTFFTRYTPDDWYRSNLVSFQESNSRHNSELRVDTSRLIQDKYQQIRKTA
 HSTQNLGERVNDLAFWKSEITHELDDEMIGETNALTDIKRRLERGLIETEGPLQVSRECLFHREKRMGIDL
 VHDEAEKELLA EVDITLCCQERMQRHLDKANAQLASDRSAQHELEKDLSDKQAALRIDDKCQHLRNTSEG
 VSYFRGVERVDATVSPETWAKFTDDNVLRSQSERAAAKLREETENLLIVTANEMWNQFNKVNLAFTNR
 IAETVDAKNKIHTLTKTLQEIFQIEMTIESIKKAIKEKSAFLKVAQTRLDERTRRPNVLCRDMAQLRL
 VNEVYEVDETIQTLQQLRDS EDTLQSLAHTKATLEHDLAVKANTLYIDQEKMSMRNSYPSTLRLVGYC

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_027660

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.

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

RefSeq: [NM_027660.1](#), [NP_081936.1](#)

RefSeq Size: 1739 bp

RefSeq ORF: 1473 bp

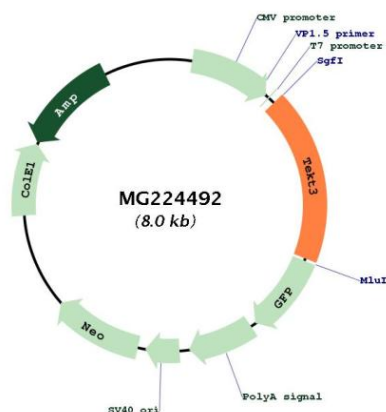
Locus ID: 71062

UniProt ID: Q6X6Z7

Cytogenetics: 11 B3

Gene Summary: May be a structural component of the sperm flagellum. Required for normal sperm mobility.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG224492