

## Product datasheet for **MR224492**

### **Tekt3 (NM\_027660) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Tekt3 (NM_027660) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                  |
| Symbol:                   | Tekt3                                    |
| Synonyms:                 | 4933407G07Rik                            |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**ORF Nucleotide Sequence:**

>MR224492 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAACCTTTAGGTTCTACTTTGACGGCTACATATGCCACCCTCCACCTGCATCGGCCAGCTTTCTAC  
 CAGCCATTGGTACCATAACATCGAGCTATAAGGACCGCTTTCCCATCGCAATCTGACACATAGCTTGAG  
 CCTTCCATGGAGACCGAACCTACTACAAACGGCCTACAACCTACCAACCTTGCCCCGTAAGTCTCTCG  
 AGGTCCCAGAGAGTGTGTGAGAGCACCATGCTCCCTTTCTGTGTCATAGGACCACCTTTCTCACGAGGT  
 ACACCCCTGACGACTGGTACCGTCCAATCTAGTCAGCTTCCAGGAGTCCAATTCCTCACGGCACAACCTC  
 AGAGCGACTCAGAGTGGATACATCTCGGCTCATTCAAGACAAATACCAGCAGATCCGGAAGACCCAGGCT  
 CACTCTACCCAAACCTGGGAGAACGAGTCAATGACTTAGCGTTTGGAAATCTGAAATCACACATGAGT  
 TGGATGAAATGATTGGAGAGACAAATGCACTGACTGATATTAAGAGAAGGCTGGAGAGGGGTTGATAGA  
 GACTGAAGGCCCTCTGCAGGTTTCCCGAGAGTGTCTCTTCCACGCGAGAAGAGAATGGGAATCGATCTT  
 GTTCACGATGAAGCCGAGAAAGAACTACTGGCGGAAGTTGATACCATCTGTGTTGTCAAGAAAGAATGA  
 GGCAACATCTGGATAAGGCGAATGCCAACTCGCTCAGACAGATCTGCACAGCATGAGCTGGAGAAGGA  
 TCTGAGTGACAAGCAGGCCGCCCTCCGATTGATGATAAATGCCAGCACCTGCGCAACACTTCCGAGGGC  
 GTCAGCTACTTCCGGGGCGTGGAGAGAGTCGATGCAACGGTATCAGTGCCCGAGACATGGGCCAAGTTTA  
 CGGATGACAATGTTCTCCGCTCCAGAGTGAGAGGGCAGCTTCTGCTAAGCTCAGAGAGGAACTGAGAA  
 CCTCTGATTGTGACAGCCAATGAGATGTGAATCAGTTCAACAAAGTGAAGTGGCTTTACCAATCGC  
 ATTGCCGAGACTGTCGATGCTAAGAATAAGATTCACTCACTTAACGAAGACCTGCAGGAGATCTTCC  
 AGATTGAAATGACCATAGAATCCATCAAAAAGGCCATCAAGGAAAAGTCTGCCTTCTGAAGGTGGCGCA  
 GACCCGGCTGGATGAGAGAACGAGGAGGCCAAACGTAGAGCTGTGCAGGGATATGGCTCAGTTACGCCCT  
 GTTAACGAGGTCTATGAGGTAGACGAGACCATCCAGACTCTGCAGCAGCGCTGAGGGATTGCGAGGACA  
 CCTTGAGTCTTGGCCCATACCAAGCCACCCTGGAGCATGACTTGGCTGTGAAAGCCAACTCTGTA  
 CATCGACCAGGAAAAATGCATGAGCATGCGCAATAGCTACCCAGCACCTCCGGCTGGTGGGCTACTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR224492 protein sequence  
 Red=Cloning site Green=Tags(s)

MELLGSTLTATYAHPPPASASFLPAIGTITSSYKDRFPHRNLTHSLPWRPNTYYKTAYNYPTLAPYSS  
 RSQRVCESTMLPFVSNRTTFFTRYTPDDWYRSNLVSFQESNSSRHNSERLRVDTSRLIQDKYQQIRKTA  
 HSTQNLGERVNDLAFWKSEITHELDDEMIGETNALTDIKRRLERGLIETEGPLQVSRECLFHREKRMGIDL  
 VHDEAEKELLADEVDTILCCQERMQRHLDKANAQLASDRSAQHELEKDLSDKQAALRIDDKCQHLRNTSEG  
 VSYFRGVERVDATVSPETWAKFTDDNVLRSQSERAASAKLREETENLLIVTANEMWNQFNKYNLAFTNR  
 IAETVDAKNKIHTLTKTLQEIFQIEMTIESIKKAIKEKSAFLKVAQTRLDERTRRPNVELCRDMAQLRL  
 VNEVVEVDETIQTLQQLRDSEDTLQSLAHTKATLEHDLAVKANTLYIDQEKCMSMRNSYPSTLRLVGYC

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**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](#)

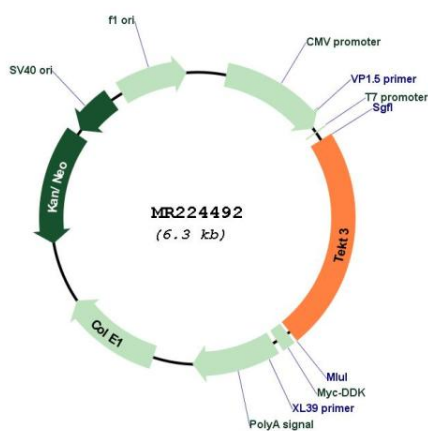
**RefSeq Size:** 1739 bp

**RefSeq ORF:** 1473 bp

**Locus ID:** 71062

**UniProt ID:** Q6X6Z7  
**Cytogenetics:** 11 B3  
**MW:** 56.7 kDa  
**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 MR224492