

## Product datasheet for **RR215367**

### **Tktl1 (NM\_001109534) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tktl1 (NM_001109534) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tktl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR215367 representing NM\_001109534  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCAGAAGCTGAGCAAGCGTTGGGATGGCCACGATGCTGGCCTGATGAAAAGACATTGCAGGTGT  
 TCGGGACATGGCCAACCGCCTGCGAATCCGTTTTATCAGGACCACAAGTTCTCGACCACTAGCTATCT  
 CACACCATGCAGCAGTGTCTGCTGAGATCATGTCTGTGCTATTTTTCTATAACAATGAGATATAAACAGGAA  
 GACCTGAAAACCCAGACAATGACCGATGCATCCTTTCAAAGGAATACCGTTTGTAAAGTAGCAACAG  
 GATGGCCTGGCAAGGACTAGGAGCTGCCCGTGGGATGGCATATACTGGCAAGTACTTTGACCAAGCCAG  
 CTACCGGGTGTCTGTCTCTGGGGATGAAGAGTCCACAGAAGGCTCTGTTGGGAGGCATTTGCCTTT  
 GCATCCTACTACAATCTGGACAATCTTATGGCAATCTTTGATGTGAACCGCATTGGACACAGTAGCTCCA  
 TGTCTGTTGAGCACTGCGTTGGCATCTACCAGAAGCGTTGTGAAGCCTTTGGGTGGAATACTTACGTGGT  
 GGATGGCCGTAATGTGGAGACCCTATGCCGTGTATTCTCACAGGCAGCTCAAGTAAGAGGCAAGCCCACT  
 GCTGTGGTTGCCAAAACCTTCAAGGCCGAGGCATGCCAAATGTTGAGGATGCAGAAAGTTGGCATGGAA  
 GGCAATGCCAAAAGAAAGAGCAGATGCAATTATCAAATTAATTGAGAGCCAGATACAGTCCAACAAAAT  
 TCTTGTACCTTACCCCTATTGAGAACTCACCTCAAATTAACATCATGGATATACATATGGCCTCGCCC  
 CCTGCTTATGTAGCTGATGACATGGTGTCTACTCAAAGAGCATGTGGTTGGCTCTGGCTAAACTGGGCC  
 ATGAAAATGACAGAGTTATTGTCTGGATAGTGACACCGAGAAGTGAACCTTTTCTGACATTTCAAGAA  
 AGAACACCCAGAGAGGTTATCCAGTGTATATTGCTGAACAAAACATGGTGAATGTGGCTCTAGGATGT  
 GCCACCCGTGACCGGATCATTGCTTTTGCTTGCACCTTTGCTGCCTTTTTCACCCGAGCATTGTATCAGA  
 TTCGAGTGGGAGCCATCTCTCAAATCAACATCAACCTTATTGGTTGCTACTGTGGGTATCTACTGGTGA  
 TGACAACCCCTACCATATGGCATTGGAAGACCTGGCAATGTTCCGAGCAATTCCTAATTGCATTGTTTTTC  
 TATCCAAGTGATGCTGTCTCCACAGAGCATGCTATTTACTTAGCAGCCAATACTAAGGAAATGTGCTTCA  
 TTCATACCAGCCAAGCAGAAACAGCAATATTTACACCACTCAAGAAACTTTTGGATTGGACAGGCCAA  
 GGTTGTCCGCCATAGTAACGATGACAAGGTCATAGTTATTGGAGCAGGAGTCACTCTGCATGAAGCCCTA  
 GTAGCTGCTGATGAGCTCTCTAAAGAAGATATTTCTATCCGTGTCATTGATTTGTTTACCATTAACCTC  
 TGGACAGTGCCACCATCATTTCCAATGCAAAGCCACAGGTGGCCGAATTGTCACCGTGGAGGATCACTA  
 TCTAGAAGGTGGCATTGGAGGAGCTGTCTGTGCAGCAGTCTCCATGGAGCCTAACATTGTGGTTCATCGG  
 CTCGCAGTGATGGATGTGCTCGGAGTGAAGATGCAATGAAGCACTAGATTTTTCTGGAATCAGTTCCA  
 GACACATCATTGTGGCTGTGAAATGCATCTTAATGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR215367 representing NM\_001109534  
 Red=Cloning site Green=Tags(s)

MSEAEASVGMHDAGPDEKTLQVLRDMANRLRIRFIRTTSSSTSYLTPCSSAAEIMSVLFFYTMRYKQE  
 DPENPDNDRCILSKGIPFVKVATGWPGQLGAARGMAYTGKYFDQASYRVFCLLGDDEESTEGSVWEAF  
 ASYYNLDNLMAIFDVNRIGHSSSMSVEHCYVGIYQKRCEAFGWNTYVVDGRNVETLCRVFSQAAQVRGKPT  
 AVVAKTFKARGMPNVEDAESWHGRMPKERADAIKLIQSQIQSNKILVSPPIENSPQINIMDIHMASP  
 PAYVADMVSTQRACGLALAKLGHENDRIVLDSDTENCNFSDFKKEHPERFIQCYIAEQNMVNVALGC  
 ATRDRIIAFACTFAAFFTRAFDQIRVGAI SQININLIGCHCGVSTGDDNPYHMALEDLAFRAIPNCIVF  
 YPSDAVSTEHAIYLAANTKEMCFIHTSQAETAIYTTQETFEIGQAKVVRHSNDDKVIVIGAGVTLHEAL  
 VAADELSKEDISIRVIDLFTIKPLDSATIIISNAKATGGRIVTVEDHYLEGGIGGAVCAAVSMPEINIVVHR  
 LAVMDVPRSGRCNEALDFSGISSRHIIIVAVKCILMN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001109534

**ORF Size:** 1788 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\\_001109534.1](#), [NP\\_001103004.1](#)

**RefSeq Size:** 2438 bp

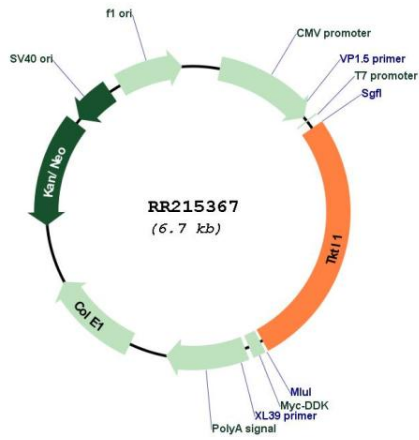
**RefSeq ORF:** 1791 bp

**Locus ID:** 689374

**Cytogenetics:** Xq37

**MW:** 65.5 kDa

Product images:



Circular map for RR215367