

## Product datasheet for **RN214291**

### **Tktl2 (NM\_001106080) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tktl2 (NM_001106080) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tktl2
Synonyms:	RGD1304767
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN214291 representing NM\_001106080  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCTTGGCTAGAGATGCCAAGCTGGAGTCAGACATCTTTCAGGCGCTTCAGGATGTGGCCAATCGCC  
 TCGAATCCACTCAATCAGGGCCACGTGTGCCTCCAGCTCCGGACATCCCACATCGTGCTGTAGTCCGGC  
 CGAGATCATGGCTGTGCTCTTCTCCATACCATGAGGTACAAACAGGCAGACCCAGAACACCCGGACAAC  
 GACCGCTTCGTCCTCTCCAAGGGCCACGCGGCCCATCTCTATGCGGTTTGGGTGGAGGTGGCCGTA  
 TCTGTGAATCGGACTTGTGAACCTGCGAAAAATTCAGTGCACCTGGAGGGTATCCCACCCCTCGGCT  
 ATCGTTTGTGGATGTTGCAACAGGGTCCCTTGGCAAGGACTGGGTGCTGCCTGCGGAATGGCTTACACC  
 GGCAAGTACTTTGACAAGGCCAGCTACCGCGTGTCTGCCTCATGGGGATGGTGTGCTCTGAAGTT  
 CTGTCTGGGAGGCCTTGGCTTCGCTTCCACTACAAGTTGGACAATCTCTGGCAATCTTTGACGTGAA  
 CCGCTGGGGCAAAGCGGCACAGCACCCCTAGAGCACTGTACCGACATCTACGAGACGCGCTGCCAAGCG  
 TTTGGGTGGAATACTTAGCTGGTGGATGGTCACGATGTTGAAGCTCTCTGCCAGGCCTTTTGAAAAGCAG  
 CTCAAGTCAAGAACAACCTACGGCCCTGATTGCCAAGACCTTCAAGGGCAGAGGTATTCAAAATGTGCA  
 GGATGCGGAAAATTGGCATGAAAAGCCTATGCCGAAAAGACAGAGTTGATGGAATTGTCAAATAATTGAA  
 AGTCAGATACAGACAAAACCGAAATCTCACCCCGAAGCCCCTGTTGAAGACTCACCCCGGATCAGCATAT  
 CCAATACGAAAATGACCTCTCTGCCTGCTTACAACTGGGAGACATGATAGTACCCGAGAAGCCTACGG  
 CGTGGCTCTGGCTAAATTGGGCCACTTAACCAAAGAGTATTGTTTTAGATGGCGACACGAAAACTCT  
 ACCTTTTCGGAGGTATTCAAGAAAGAGCACCCCTGAGCGTTTCATAGAGTGCTTCATTGCTGAGCAAAACA  
 TGGTAAGTGTGGCACTGGGGTGTCCACACGAGGGCGAAGTATTGCTTTGTTAGTACCTTCGCTGCCTT  
 CCTGACCCGAGCCTTTGATCAGATCCGAATGGGAGCCATCTCTCAAACCAACGTCAACTTCGTTGGTTCC  
 CACTGCGGGTGTCTATTGGAGAAGATGGACCTTCCAGATGGCCCTGGAGGATCTAGCCATGTTAGAA  
 GCATCCCCAAGTGCATATTTCTATCCAAGCGATGCTGTCTCTACAGAACACGCCATTTATCTGGCAGC  
 CAACACCAAGGGGATGTGCTTATTCTGACCACCCGGCCAAATTAGCGTTATTTATACATCCGAAGAA  
 AATTTTGTGATTGGACAGGCCAAGGTGATCCGCCACAGTCAGACGACAAGGTGACAGTTGTTGGAGCAG  
 GGGTACTCTGCATGAAGCCTTAGAGGTGCTGACGAGCTTCTCAACAAGGGATTTCTATCCGTGTCAT  
 TGACCCGTTCACTATCAAACCTCTGGATGCTTCCACCATTATCCAAAGTGCCAAAGCCACAGGTGGCCAG  
 ATCATACCGTGAAGATCACTACCGAGAAGGTGGCATTGGGGAGGCTGTGTGTGCGGCCATCTCTAGAG  
 AGCCTGACATCGTCGTTCACTCAACTTGCAAGTAAACAGAAGTGCCTCGAAGCGGGAAACCTAGTGAAGTACT  
 GGATATGTTTGAATCAGTGCCAGACACATTATAGCAGCTGTGAAAGATACCGTAAATGAA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001106080
- Insert Size:** 1884 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_001106080.1](#), [NP\\_001099550.1](#)

**RefSeq Size:** 2012 bp

**RefSeq ORF:** 1884 bp

**Locus ID:** 290685

**Cytogenetics:** 16p14