

## Product datasheet for **RR202147**

### **Txk (NM\_001024255) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Txk (NM_001024255) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Txk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR202147 representing NM\_001024255  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATCTCCTTTTCAGACAGCACCTTCCAGTCTATCCTCTGTTGCTGCTGTTGCTGCTCAGTGCAGGGGA  
 GACGAGTGACAACACGGATCAGCCTAAGCAGAGAGGAAGAAGCTCTCAGAAAAGCATTCCCAGCGTCAGAG  
 GCAGTGGTTCTCCAAACTGATGGCAAAAGTCAATCCAGCAGAGGTGGGGTGCAACCCTCAAAGCGTAGG  
 CCACTGCCTCCCCTCCCGCAGGAGTTTACAGAAGAGAGAATCCGGGTCAAGGCTCTTTATGACTTCTCGC  
 CTCGGGAGCCCTGTAATTTGGCACTGAAGAGAGCAGAGGAATATCTGATATTGGAGAGGTGTGACCCCTCA  
 CTGGTGGAGGGCCAGAGACCGCCTCGGGAATGAAGGCTTAATCCCAAGCAACTATGTGACAGAAAACAGA  
 CTCACCAATTTAGAAACATATGAATGGTATCATAAGAACATCACTAGAGACCAGACGGAACGCTGTTGA  
 GGCAGGAGGCTAAAGAAGGTGCATTTATCGTGAGAGATTCGAGACATTTGGGGTCTTACACAATCTCTGT  
 GTTTACAAGAGCTAGAAGGCATACACAGTCTTCAATAAAACATTATCAGATTA AAAAGAATGACTCAGGA  
 CAATGGTACGTACCCGAAAGACACCTCTTCCCTCGGTTCCCGAGTTGATCCAGTATCACCAGTACAATG  
 CAGCTGGTCTCATGTCCCGTCTCCGCTATCCTGTTGGGCTCCTGGGCAGCTGTTTACCAGCCACATCTGG  
 TTTTAGCTATGAAAAGTGGGAAATAGATCCGTCTGAGTTGACTTTTGTCAAGGAGATCGGAAGTGGTCAG  
 TTTGGGTAGTCTACTTAGGAGAGTGGAGAGCAGTATCCGGGTCCGCATCAAGGCCATCAATGAAGGCT  
 CCATGTCTGAAGAAGATTTCAATTGAGGAAGCCAAGGTGATGATGAAGCTGTCACACTCGAGGTTAGTTCA  
 ACTTTATGGGGTGTGCATACAGCAGAAGCCCTCTACATAGTGACGGAGTTCATGGAAAATGGCTGCCTG  
 CTCGACTATCTCAGGGAGAGAAAAGCAAGCTCCGAAGGCATTGCTTTTGAGCATGTGCCAGGACATAT  
 GTGAAGGGATGGCGTACCTGGAGAAGAGCTGCTATATCCACAGGGATCTGGCTGCCAGAACTGTTTGGT  
 CAGTTCTGCCTGCGTAGTAAAGATCTCGGACTTTGGGATGGCGAGGTACGTTTTGGACGATGAATATATC  
 AGTTCTCTGGAGCTAAGTCCCAGTCAAGTGGTCCCCACCTGAAGTTTTTTCATTTCAACAAGTACAGTA  
 GCAAGTCTGACGTCTGGTCATTCGGAGTTTTAATGTGGGAAGTTTTTACAGAAGGAAAAATGCCCTTTGA  
 GAATAAGTCCAATTTGCAAGTGGTGAAGCCATTTCTAAAGTTTTCCGGCTCTATCGTCTCACCTGGCC  
 CCCATGTCCATATACGGAGTTATGTACAGTTGCTGGCATGAGAGCCCTAAAGGCCGTCGACATTTGCTG  
 AGTTGCTTCAGGTTCTCGCAGAGATCGCGAAACCTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR202147 representing NM\_001024255  
 Red=Cloning site Green=Tags(s)

MISFSDSTFQSI LCCCCSVQGRRVTTTRISLSREEELSEKHSQRQRQWF SKLMGKSQSSRGGVQPSKRR  
 PLPPLPQEFTEERIRVKALYDFLPREPCNLALKRAE EYLILERCDPHWWRRARDRLGNEGLIPSNYVTENR  
 LTNLETYEWYHKNI TRDQTERLLRQEAKEGAFIVRDSRHLG SYTISVFTARRRHTQSSIKHYQIKKND SG  
 QWYVTERHLFSPVPELIQYHQYNAAGLMSRLRYPVGLLGSCLPATSGFSYEKWEIDPSELT FVKEIGSGQ  
 FGVVYLGEWRARIRVAIKAINEGSMSEEDFIEEAKVMMKLSHSRLVQLYGVCIQQKPLYIVTEFMENGCL  
 LDYLRERKGLPKALLLSMCQDICEGMAYLEKSCYIHRDLAARNCLVSSACVVKISDFGMARYVLDEEYI  
 SSSGAKFPVKWSPPEVVFHFNKYSSKSDVWSFGVLMWEVFTGKMPFENKSNLQVVEAISKGFRLYRPHLA  
 PMSIYGVMYSCWHESPKGRPTFAELLQVLAEIAETW

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001024255

ORF Size: 1578 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\\_001024255.1](#), [NP\\_001019426.1](#)

RefSeq Size: 2308 bp

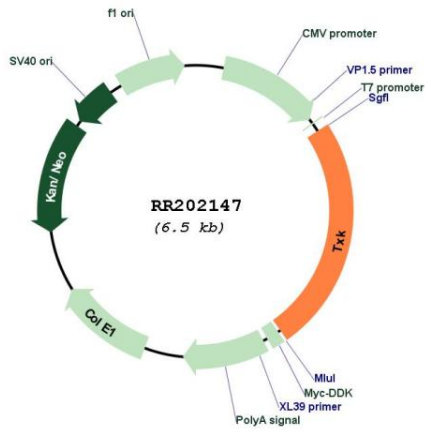
RefSeq ORF: 1581 bp

Locus ID: 305311

Cytogenetics: 14p11

MW: 61 kDa

Product images:



Circular map for RR202147