

## Product datasheet for **RR213599**

### **Tsen54 (NM\_001109576) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tsen54 (NM_001109576) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tsen54
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR213599 representing NM\_001109576  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCCCGAGTCCGAACCCGCTCTGTGGAGGTTCCCGGGGACGTGTGCTCAGCGCCTCGGAGCTCC  
 GCGCCGCGCTCGCGGTCCAGAAAGCTGCCTCAGCGGTCGCATGGCCCCAAGGACTTCCTCCCGGACGG  
 CTCGGAGGCTCAGGCGGAGAGGCTGCGCCTGTGTCCGACGAGGTTGTGGCAGCTGCTGGCGGAGGAGCGC  
 GTGGAGCGCTGGGCAGCTTGGTGGCCGCGAGTGGAGACCAGAAGAAGGCTTTGTGGAGTTGACATCTC  
 CTGCGGGGAAATCTGGCAGACCATGGGCTACTCAGAGGAGGGACGGCAGCGGCTTACCCCCAAGAGGC  
 CTTGTATCTGCTGGAGTGTGGCTCGATTAGCTCTTCTACCAAGACCTACCACTGTCTATCCAAGAGGCC  
 TACCAGCTGCTGCTGACCGAGGACACCTTGAGTTTCTGCAATATCAGGTCTTACGCCACCTGAAGAGAC  
 TGGGCTACGTGGTCCGCCGTTCCAGCTAAGCTCAGTCGTGTACCTTACGAGCGGCAGCTCAACCTGGA  
 TGGCTATGCCAGTGCCTGGAGGATGGGTCTGGCAAGAGGAAGAGGAGTTCTAGCTGTGGTCTGTTAAT  
 AAGAAGGCCAAGGCCCTGCAAGAACTCCCTGCCGCCGTCAGTTGGCAGACTCCAGCCCACCTGCCTGTG  
 ACCAGAGTAGCCATACCCAGAGGAGAAACCTCGGGACTCAAGCCCTGAGCAGGGCTCGGAGCTCCCAT  
 GCAGTTTCTGGGGTCCCCAGAGCCTTGCCCTGATCCGGGCAGGGAAGATGCGGGGTGTGACCAGGAGAGT  
 GACAAAATAGAGAATGGAGCCAAGGGGACCCCTAAGCCACGCTGGAACCTTGGAGCGGATCTCATTCCCA  
 ACATGGCCTCAGATAGTCGGCACACGCTCCTGCCTGCCCCAGCCCCAGAGCTGCTCCCTGTCAATGTCAT  
 TGGCGGAGGACAGATGCTGAGTCTGGTGCCAAAAGCTGAACCAGCGGAGGAGAAAGCTCTCCCGGCGA  
 GACCCGGGACAGCAAGCAGAGGTCGGCAGTTCGGGAGGATGTTAACCCGATCCCGAGGTGCAGGGCTC  
 GCTCCACTTGGCAGGAGTACAAGGAGCTGCTGAGGAGACGACAGATGCAAAGGAGCCAGCCCCGACTCC  
 ACACCTATGGGGCCAGTCTGTTACCCCTTGTGAACCCGATACAGCCGATTCTCCAGCCGCGCTCTG  
 CAACGTATCTCTGACTGCAGACAACGCACCTTGCTGATGGAGGTTACCGGCTGCTGGAGAAGTCTGGGG  
 GCTTGGAGATCAGCTTCGATGTTTACCAGGCTGACGCTGTGGCTACGTTCCGAAAAACAGCCCTGGCAA  
 ACCCTACGTGCGAATGTGCATTAGTGGGTTTGTGAACCTGTCCAGACCTCTGCAGCCTCAAGCGGTTG  
 ACCTACCAGAGTGGGATGTTCCCTGATCTTTGCTCTGGTGGATCATGGTGACATTTCTTCTACAGCT  
 TCAGAGACTTCACACTGCCCCAGGATCTGGGGCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR213599 representing NM\_001109576  
 Red=Cloning site Green=Tags(s)

MEPESEPASVEVPAGRVLASSELRAARSRSQKLPQRSHGPKDFLPDGSEAQAERLRLCRQELWQLLAEEER  
 VERLGSLVAAEWRPEEGFVELTSPAGKFWQTMGYSEEGRQLHPEEALYLLECGSIQLFYQDLPLSIQEA  
 YQLLLTEDTLSFLQYQVFSHLKRLGYVRRFQLSSVSPYERQLNLDGYAQCLEDGSGKRKRSSSCRSVN  
 KKAKALQNSLPPVSLADSSPPACDQSSPYEEKPRDSSPEQSELPMQFLGSPEPCDPGREDAGCDQES  
 DKIEGAKGTPKPRWNFERISFPNMA SDSRHTLLPAPAPPELLPVNVI GRGTDAESWCQKLNQRREKLSRR  
 DREQQAEVRQFREDVNADPEVQGCSTWQEYKELLRRRQMQRSPRPPHLWGQSVTPLLNPDTADSPA AVL  
 QRISVLQTHLADGGYRLLKSGGLEISFDVYQADAVATFRKNSPGKPYVVMCISGFDEPVPDLCSLKR  
 TYQSGDVPLIFALVDHGDISFYFRDFTL PQDLGH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

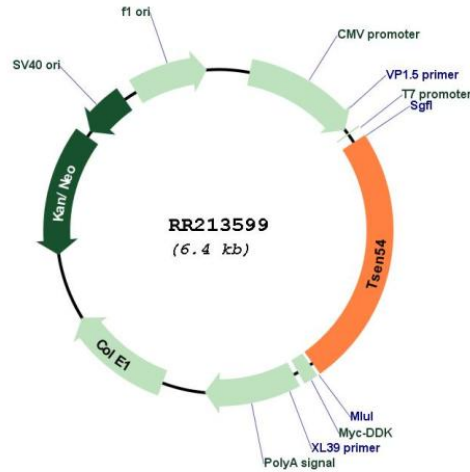
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


<b>ACCN:</b>	NM_001109576
<b>ORF Size:</b>	1575 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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\\_001109576.1](#), [NP\\_001103046.1](#)

**RefSeq Size:** 1979 bp

**RefSeq ORF:** 1578 bp

**Locus ID:** 690308

**Cytogenetics:** 10q32.1

**MW:** 59.2 kDa