

## Product datasheet for **RN213599**

### **Tsen54 (NM\_001109576) Rat Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >RN213599 representing NM\_001109576  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCCCGAGTCCGAACCCGCTCTGTGGAGGTTCCCGGGGACGTGTGCTCAGCGCCTCGGAGCTCC  
 GCGCCGCGCGCTCGCGGTCCCAGAAGCTGCCTCAGCGGTCGCATGGCCCCAAGGACTTCCTCCCGACGG  
 CTCGGAGGCTCAGGCGGAGAGGCTGCGCCTGTGTCCGACGAGGTTGTGGCAGCTGCTGGCGGAGGAGCGC  
 GTGGAGCGCTGGGCAGCTTGGTGGCCGCGAGTGGAGACCAGAAGAAGGCTTTGTGGAGTTGACATCTC  
 CTGCGGGGAAATTCTGGCAGACCATGGGCTACTCAGAGGAGGGACGGCAGCGGCTTACCCCCAAGAGGC  
 CTTGTATCTGCTGGAGTGTGGCTCGATTAGCTCTTCTACCAAGACCTACCACTGTCTATCCAAGAGGCC  
 TACCAGCTGCTGCTGACCGAGGACACCTTGAGTTTCTGCAATATCAGGTCTTCAGCCACCTGAAGAGAC  
 TGGGCTACGTGGTCCGCCGTTCCAGCTAAGCTCAGTCGTGTACCTTACGAGCGGCAGCTCAACCTGGA  
 TGGCTATGCCAGTGCCTGGAGGATGGGTCTGGCAAGAGGAAGAGGAGTTCTAGCTGTCGGTCTGTTAAT  
 AAGAAGGCCAAGGCCCTGCAGAACTCCCTGCCGCCGTCAGTTGGCAGACTCCAGCCCACCTGCCTGTG  
 ACCAGAGTAGCCCATACCCAGAGGAGAAACCTCGGGACTCAAGCCCTGAGCAGGGCTCGGAGTCCCCAT  
 GCAGTTTCTGGGGTCCCCAGAGCCTTGCCCTGATCCGGGCAGGGAAGATGCGGGGTGTGACCAGGAGAGT  
 GACAAAATAGAGAATGGAGCCAAGGGGACCCCTAAGCCACGCTGGAACCTTGGAGCGGATCTCATTCCCCA  
 ACATGGCCTCAGATAGTCGGCACACGCTCCTGCCTGCCCCAGCCCCAGAGCTGCTCCCTGTCAATGTCAT  
 TGGGCGAGGGACAGATGCTGAGTCTGGTGCCAAAAGCTGAACCAGCGGAGGGAGAAGCTCTCCCGGCGA  
 GACCGGGAGCAGCAAGCAGAGGTCGGCAGTTCGGGAGGATGTTAACCGCGATCCCGAGGTGCAGGGCT  
 GCTCCACTTGGCAGGAGTACAAGGAGCTGCTGAGGAGACGACAGATGCAAAGGAGCCAGCCCCGACCTCC  
 ACACCTATGGGGCCAGTCTGTTACCCCTTGTGAACCCCGATACAGCCGATTCTCCAGCCGCGCTCCTG  
 CAACGTATCTGTACTGCAGACAACGCACCTTGCTGATGGAGGTTACCGGCTGCTGGAGAAGTCTGGGG  
 GCTTGGAGATCAGCTTCGATGTTTACCAGGCTGACGCTGTGGCTACGTTCCGGAAAAACAGCCCTGGCAA  
 ACCCTACGTGCGAATGTGCATTAGTGGGTTTGATGAACCTGTCCAGACCTCTGCAGCCTCAAGCGGTTG  
 ACCTACCAGAGTGGGATGTTCCCTGATCTTTGCTCTGGTGGATCATGGTGACATTTCTTCTACAGCT  
 TCAGAGACTTCACACTGCCCCAGGATCTGGGGCA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001109576

**Insert Size:** 1578 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\\_001109576.1](#), [NP\\_001103046.1](#)

**RefSeq Size:** 1979 bp

**RefSeq ORF:** 1578 bp

**Locus ID:** 690308

**Cytogenetics:** 10q32.1