

## Product datasheet for **MR200619**

### Tex12 (NM\_025687) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tex12 (NM\_025687) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tex12  
**Synonyms:** 5730518K06Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR200619 representing NM\_025687  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGGCAAACACCTTGTAACCCGACTCTAGAACTGCAAGAGGGCAAGAGAATTGGAGCCTCAGG  
TGTCTGATAGTCCACAGGTATCTTCTTGGAAAATCAGAGTCATCTCTCTGAGGCTTCTGGACTCTT  
TTATAAGAGGAAGCTCTGGAGAAGGATTTGAGCGATATGAGCAAGGAAATTAATCTGATGTTGTCTACA  
TATGCAAAGATTTAAGTAAAGAGCAGCAGTAGATGCATCTTACATCGATGAGATAGATGGACTCTTCA  
AAGAAGCCAATATTATTGAAAACCTTTCTAGTACAAAAAGAGAGTTCCTGAAGCAGAGGTTTACAGTAAT  
TACCAACACCCTACACAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200619 representing NM\_025687  
Red=Cloning site Green=Tags(s)

MMANHLVKPDSRNCKRARELEPQVSDSPQVSSLGKSESSLSEASGLFYKEEALEKDLSDMSKEINLMLST  
YAKILSERAADVASYIDEIDGLFKEANIENFLVQKREFLQKRFVTITNTLHK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9042\\_a12.zip](https://cdn.origene.com/chromatograms/mm9042_a12.zip)

**Restriction Sites:** SgfI-MluI



[View online »](#)

**Cloning Scheme:**


**ACCN:** NM\_025687

**ORF Size:** 369 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\\_025687.3](#), [NP\\_079963.1](#)

**RefSeq Size:** 647 bp

**RefSeq ORF:** 372 bp

**Locus ID:** 66654

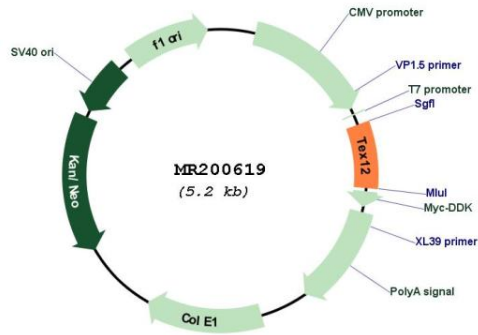
**UniProt ID:** [Q9CR81](#)

**Cytogenetics:** 9 A5.3

**MW:** 14.4 kDa

**Gene Summary:** Component of the transverse central element of synaptonemal complexes (SCS), formed between homologous chromosomes during meiotic prophase (PubMed:16968740). Requires SYCP1 in order to be incorporated into the central element (PubMed:16968740). [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR200619