

Product datasheet for MC211119

Tex19.2 (NM_027622) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tex19.2 (NM_027622) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tex19.2
Synonyms: 4921530G04Rik; Tex19b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211119 representing NM_027622
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGTCCCCAGTCAGCGTTCGCCATGGGGCCAAGGGCATGTCCTGCCTCTATGGGGCGTGGCTGTACC
 ATCTTGCCATGGGGAACAGATGAAGATCTGCTTTGCTTGCTTCAAGGCAGCTTTCCTCGCTTAAAGAA
 CATGCTGGAGATGGGAGACTGGGAAGAAGGAGTGTGGGATGCTGAGCCCATGGAACCTCAGAGGCATCG
 TCTGAGCCCGAGGAATGGCCCGGCTTAGTGGGGGAGAGGGCCAAGGTCACTGCCACATGGCATCTCTG
 TCTCTGACGGCTCTGGGGCTCAGGGACCCAGCCTGTGCCCACTGAGCTGGGGCCTCAGGAAGCTGTACC
 CCTGGATCTGGGTCTGAGGATGCTGAGTGGACCCAGGCCCTTCCTGGAGATTTGATGGGCTTTCACCC
 TGCTCCCACTGGCTATCCCTCCTTTGCTGCTGGTGGGAGATTTTCAATGTAAGCCCATCTCCTGGGCAAC
 CTGTATTGTTGGAGTTGAGCCCCACCTGGCCCATGGACCCGTTGGAAGCAGAAGCATGGTTGGTAGGCCT
 GAAGTTCGTTTTCTTCTGGGTGGCTTTGACGCCATTTGCTACATGCTGTCAATGACTCCCTGTTGGGCC
 GTGAGAACCCGTGCCAGCGCTGCAGGTGTTGCTGGACCTGGTGACGTGAGAGTGGCCAGCTGCAGA
 ATGCACCTGAACAGCAAGACCTGCACCGTGAAGCTAAGCCTCCTGGAGTCTCAGAGCTGGGGATGGA
 GCTGGTGCCTGCTGACTGCAGCCTACAAAAGGGAGGCTTCAAGGTGCATTTCGTATTTGCCCTGGCACAAT
 AGCACCCAGAGTCTGGAGCAGGGAGCCAGGGGAGAGGCTCCTTGTGGTAGAAGTTGTATCTCTGAGGG
 AGTTGCCCTGCTCCGTTCCCCCTCCCCTGATCCACACAAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_027622
Insert Size: 954 bp



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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:	<ol style="list-style-type: none">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_027622.3 , NP_081898.1
RefSeq Size:	2046 bp
RefSeq ORF:	954 bp
Locus ID:	70956
UniProt ID:	Q9D5S1
Cytogenetics:	11 E2
Gene Summary:	May be required during spermatogenesis, probably by participating in the repression of retrotransposable elements and prevent their mobilization (Probable). With its paralog, Tex19.1, collaborates with the Piwi-interacting RNA (piRNA) pathway, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins. Interacts with Piwi proteins and directly binds piRNAs, a class of 24 to 30 nucleotide RNAs that are generated by a Dicer-independent mechanism and are primarily derived from transposons and other repeated sequence elements (PubMed:28254886).[UniProtKB/Swiss-Prot Function]