

Product datasheet for **MC222672**

Tex10 (NM_172304) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tex10 (NM_172304) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tex10
Synonyms:	2610206N19Rik; 2810462N03Rik; BC006867
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222672 representing NM_172304
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCAAAAAAGGAAACGCCAAGATGATTTTCAGAAAGTAAACTAAAAGTTGGTAAAAAGAAGCCCA
 AGTTAGAAAAATGCTACAGCTACAACTTTAAGACAAGGCTATACATTTGCCTGAACAACCTTAAAGAGGA
 TAGAACACTTCCGACAAACAATAGAAAGCTTAACATAAAGGATTTGCTGTACAGATGCATCACTATAGT
 GGTGGTGTAAACAAAGTCTCTTCTGGACTTAAAGACCTTTTGTCTCAATACCCATTTATAATTGATG
 CACACCTCTCAAACATATTAAGTGAAGTACTGCTGTGTTTACAGATAGAGATGCTAATGTACGGTTAGC
 AGCAGTTCAACTTCTCAATTCTGGCCCCAAAATACGAACTGAACACATTTCTCCATTTTTCTTTG
 GTAAGTGGCCATCTCTAGTGCCATGACTCACATTACTGAAGGAATTCAGGAGGACTCTTAAAAGTTC
 TGGACATTCTGCTGGAGCATTATCCAGCTCTATTACTGGCCGTAGCAGTATATTGCTTAAAGACTTTGT
 AGAACTCATTTCTCATCAGCAGCTGTCAAAGGACTGGTAAATAGAGACAGATCCAGTCTTGGATACTT
 TCTGTAATCCTAATCGGAGAGTCACTTCTCAGCAATGGAGGCTGAAAGTCTTAGCAAGACTCAGTAAAT
 TCCTTCAGGCCTTGGCAGATGGATCCAGTAGGTTGAGAGAAAGTGAAGGACTTCAGGAACAAAAAGAAAC
 TCCCCATGCCACTAGCAACTCCATTTTTATCAACTGGAAGGATCATGCCAACGACCAGCAACAGATCCAG
 GTTTATGAAAAATGGGGTTCACAGCCAAATGTCAGTTCACAGTTCAGGCTACGGTCTTGGGAACACTAG
 GCACTGTGGATGAAGACCTGTATCCCCGAAAACCTGAAAGGATTCATTGAGATAATAATTCCATTGTT
 AATTGAATGCTGGATTGAAGCTTACCTCCACAACAGCAGCTTCTGTTGGGAGTGGGGTTGAGCGAGAG
 CCTCTGCAGGTTATGCAGCAAGTCTGAATGTCATTTCACTGTTGTGAAACTCTCGAAGCAGCAGGATG
 AAACCCATACGTTGGAGTCACTGGCTTCGAAAAAATATCTTACTGATTTCAAACATCATTTTATGAGTCA
 TTTTCCATATGCCTTAAAGAAAATAACCAAGCAACGGAAGAAAGATACAATAAAAAGCATCAAGCATTGC
 ACAGTTCTCTCCAATAATGTAGATCATCTTTACTGAACCTAACACTGTCTGATATCATGGTCTCGCTGG
 CAAATGCTTCAACCTTACAGAATGATTCCAGTTGGATAGAAACAATAAGGAAGTTTGTGACGGAGACCTT
 TAAAGGTGGCACTAGATTGAACAGTAAGCAGCTGAACAGGCTGCTGGAGTCTCTGGAGGCTAATCCAG
 ATGCAACCAAACAGAGATGCTACAGAGAATCTCATTAAAGCAGTTTATACACTGTATCAACAGAGGGGCC
 TGCTTCTCCAGTTAGGACTTTGTTAATCAAATTTTTAGTAAGATCTATCAGAAAGAAGAATTGAGGTC
 TTACAGATTGAGATACCGAAGCAAAGTGTCTCCCGTTGGCTGGCCGGCTTGCCATTGCAGCTCTCTTAC
 CTTGGCTCCCGAAACCTGAGCTCTCCACAGCTGATTGATATTATTCACACTGCTGCATCACAAGCAA
 ATAAGGACTTATTGAAAACTTACAAGCTGCCGCTCTACGAATTTATGATCCTCAAGAAGGCGCTGTGGT
 AGTTCTTCTGCAGAGTCTCAGCAACGTCTAGTTCAGCTGTTGTATTTTCTCCCACTCTGCCTGTGAT
 TTGCTTCTCAGCTAAGTCGGTGTGCATAATGGGAAGACTCGGCTCAAGTTTGGCTGTACAGCTTATTG
 GGATACTGTACATGAGATCATCTTTTTCTGGATGGAGTCACTCGGTTAATGACTGCTTAATGACTGATGT
 GGATTATCTCAGCTTCTATTTTCTACACTTACAGGGTTTTCAAAGAGGAGTTGACCTGGCTTCAAGC
 CTTGAGGCGTTCCTCATGTGCTCCAGACATCACTTTCCCTGTGCTTCTACCTTACAGATTTAGACC
 AGTCTTGACCACTGGGACATAACAGAGGCAGTTTGTACAGCTTATTGGTTATTCTGCCCCAAGCCA
 GAGCTTTGACATCATGCAGAGTGCCATCAGTAAGCATTGGTTGGGTTGACTGTAATTCCTGACAGCACA
 GCTGGCTGTATATTTGGAGTGTGTGAAGCTCCTGGATCATACATGTGTAGTTAATGAAGCTCTCCTGC
 CATTCTGGCTTCTGTTGCTACAGCCTCTTTATTTTCTGCTTACTCTAGAGAAAGGAGATGCAGAACA
 TCTGAAAAAGAGGGACAACTGTGGGAGGCTGTGTCTCCATCCTGGCTCTCCTGCCTAGAGTCTCAGG
 TTGATGCTGCAGAGTCTACGGTGAACAGAGCTTCTCCTGAGGAGCTGCCTGTTGTAGGCCAGCTGCTTC
 GCCTGCTGCTCAGCATGTGCCTCTTAGGTCGCACATGCTGACTAATGCCATCCTAGTGCAGCAGATCAT
 CAAGAATATCACGACTTTAAAGAGTGGCAGTGTTCAGGAGCAGTGGCTTACAGACTTACATTACTGCTTC
 AGCGTGTACATCAGTGGCCATCCCCAAGGGCTAGTATATTGAATGCATTGTAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_172304
Insert Size:	2787 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:	<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:	<u>NM_172304.3</u> , <u>NP_758508.2</u>
RefSeq Size:	3203 bp
RefSeq ORF:	2787 bp
Locus ID:	269536
UniProt ID:	<u>Q3URQ0</u>
Cytogenetics:	4 B1
Gene Summary:	Functions as a component of the Five Friends of Methylated CHTOP (5FMC) complex; the 5FMC complex is recruited to ZNF148 by methylated CHTOP, leading to desumoylation of ZNF148 and subsequent transactivation of ZNF148 target genes (PubMed:22872859). Component of the PELP1 complex involved in the nucleolar steps of 28S rRNA maturation and the subsequent nucleoplasmic transit of the pre-60S ribosomal subunit (By similarity). [UniProtKB/Swiss-Prot Function]