

Product datasheet for MC223646

Tex2 (NM_198292) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tex2 (NM_198292) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tex2
Synonyms: 4930568E07Rik; AI553404; Def-5; Taz4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223646 representing NM_198292
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGGATCGCC

ATGACAAGTCTGAATGGTCGCCATGCTGAGAAAACCATTGACATGCCAAAACCATCAGCCCCAAAGTGC
 ACGTGCAAAGGTCTGTGTCCCGAGACACCATCGCCATTCATTTCTCGGCTTCCGGGGAGGAGGAGGAGGA
 AGAGGAGGAGGAGTTACGGGGCTACCTGGAGGAGGGGTAGATGACCAAAGCATTGTAACGGGGCTTGAA
 GCCAAGGAGGACCTGTATCTTGAATCCCAGGGTGGCCATGACCCTGCAGGCCCGCTCTCGACGGCCCTG
 CAGATGGGCTGTCTGTGTCTGAGTCCCCTGCCATTTTGCCTGTCTCTGAGAACACTGTAAGCTGCTGGA
 GTCCCCTGCTCCAGCACTGCAGGTATTAAGTCCAGTGCCATTGGCTGTCTCCAGGATCATCTTCATCT
 GGACCCTTAGCTAGTTCTCCAGTGTGTCTCCTTTCTGAGCAGAAAACCAAGTCTTCGCTCCACTGT
 CTTCTCCTTCCAAGTCCCCTGTCTGTCTCCTCCAGTGCCTCGTCTCGGCCCTCTCAAGCGCAAAGCCCTT
 CATGAGCCTGGTGAAGTCCCTGTCAACTGAGGTGGAGCCAAAAGAGTCCCCCACCCCGAGGCACAGA
 CACTTGATGAAGACTCTGGTCAAGTCTCTGTCCACAGACACTTCCCGCAGGAGTCCGACACCGTCTCT
 ACAAGCCCCCGACTCCAAACTCAACCTGCACCTTTCAAACAGTTACACAGCCACGGAACACGGGTGG
 AGACTCCAAGACTGCGCCTTCTCCCCCTGACTTCGCCCTCTGACACTCGTTCCTTTTTAAAGTGCCC
 GAAATGGAGGCAAAAATCGAAGACACTAAGCGACGCCTTTCTGAAGTTATCTATGAGCCCTTCCAGCTCC
 TCAGCAAGATCATCGGGGAGGAGAGCGGAGCCATAGGCCCAAAGCCTTATCTGCAAGTCTTCAGAGCT
 CTCCAGCTGTCCGGCTTGAACGGGCACTTGAAAGCAATAACTACAGCATCAAGGAGGAGGAGGGGGAC
 TCGGAGGGGGAAGGCTACGGCAGCGACTCCAACACCTCCAGGAGCGACCCTGAAGCCCACTGAAGACG
 CCTCGAAGGAAGTGGAGCCAAAGGTTCCAGGCGAGTAGTCTGAAGGACTTAGGTCTGAAGACAAGTTC
 TCTGGTCTTGAGAAGTGTCTGTCTGCTTTAGTGAGCAAGGAGGATGAAGAGTCTGTGAAGTGTAC
 ACGGAGGACTTTGAGCTGGAGACTGAGGCGAGGGGAGACTTGATAAGACCCTCGATCTCCCCCTCAAGC
 CAGAGGTGCTTGCCAGCGATGGCGTGGCTCTGGAGAGCGAGGATGAAGAGGACTCGGCCACCGAGACCA
 GGAGTTACCTGTAAAGACGCTCGGCTTCTTTATAATGTGTGTCTACGCGTACCTCATCTCCCACTCCCC
 TACTACATGAGTGGGCTTCTCCTGGCGTCCGGCTCGGCTTCATGACTGCAGTCTGCATGATTTGGTTCT



```

TTACACCACCAAGTGCTCACAACACCACAAATCACTCAAAGCTCTGCGGCACCAGAGCACGAGATCCCT
GGACATCAAGGAGCCCGAAATACTAAAGGGATGGATGAATGAGATTTACAACATGATCCAGAACTTAC
CACGCGACTTTGACGCACTCAGTCTTTGTCGGCTCGAGGGTGGAACTTAAGACTTTCAAAGCCCAACA
AAAACATATCCAGGAGGGCAAGCTACAATGAGACAAAGCCAGAGGTCACCTACATCAGCCAGAAAATCTA
TGACCTCTCAGACAGCAAGATTTATCTGTACCTAAAAGCTTGGCTCGAAAGCGAATCTGGAATAAGAAG
TACCCCATTTGCATTGAACTTGGTCGGCAAGATGACTTTATGTCTAAGGCGCAGTCTGATAAGGAAGCTA
CTGAGGAGAAGCCGCCTCTGAGAAAGAGCTGCCGAGCGAAGACCTCAAGAAGCCACCCAGCCTCAAGA
GGGGACGAAGTCTAGCCAGCGAGACCAATACTGTATCTGTTTGGGAGAACGGGCCGAGAGAAAAGAGGAG
TGGTTCAGGCGGTTTCATCTGGCCTCGAGGCTGAAGTCAGAGCTCAGGAAGCCGCGGGTGTCTTGAA
GTAAATCAGGGCTTCTGCCCGCACAGCAGGCACAGCAGTCCCTCGGGGCACCTGAGCCACAGCCGAG
CAGCAGCAAAGGCAGCGTGGAGGAAATGATGTCCAGCCAAAGCAGAAGGAACTGGTGGGCGAGCGTGC
CAGAAGATGCTCTAGACTACAGTGTGTACATGGGCAGGTGTGTCCCCAGGACAACCGAAGCCCCACA
GGAGCCCCGTGCAGAGTGCAGAGAGCAGCCCCACAGCTTGAAGAAGTTGCCAGAGGCCCCACCTCTGA
GGAGGAAGAACAGGAAGCCTGGGTGAATGCTTTGCTTGAAGAATATTTTGGACTTCTGGGCGAGAAA
TACTGGTCTGATGTGGTGTGAAGAAAATCCAGATGAAACTCAGCAAAATTAAGCTCCCCTACTTTATGA
ATGAACTAACACTGACAGAGCTTACATGGGTGTAGCTGTGCCAAAAATCCTTACGGCCTCAAGCCTTA
TGTTGATCACCAAGGACTCTGGATCGATTTGGAATGTCTTACAATGGGTCTTTCTGATGACTCTGAA
ACCAAAATGAACTTGACCAAACTAGGTAAGAGCCTCTTGTGAGCCCTGAAGGTTGGAGAAATGGCA
AAGAAGGTTGCAGGCCAGGGCATACTGTCTGGCTGACAGTGTGAAGAATCCTCCAGTCTGGCTCCTC
TGAGGAAGATGACCCACCAGAACCCTGCTGGAGACAAAACAGCCGCTCCCGGGGCTGAAGGTTACGTT
GGAGGTCATCGAACAAGCAAGATTATGAGGTTTGTGATAAGATCACCAATCAAATATTTCCAAAAG
CAACAGAGACAGAATTCATTAAGAAGAAGATCGAAGAAGTCTCTAATACACCCTGCTGCTAAGTGTGA
AGTGAAGAGTGTGAGGGACCTTGGCGTCAACATCCCCCACCACCGACTGACCGGATATGGTATGGT
TTCCGGGAAGCCACCGTATGTGGAGCTGAAAGCTCGGCCAAAACCTTGGAGAGAGAGAAGTACTTTAGTTC
ACGTGACAGAGTGGATTGAGAAGAACTGGAGCAGGAGCTTCAGAAAGTGTTCATGCCAAACATGGA
TGACGTTTATATTCCTATAATGCACTCGGCCATGGACCCTCGCTCCACTTCTGCCTCTTGAAAGAGCCA
CCTGTGGAGACCTCTGATCAGCTGTA
    
```

```

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA
    
```

Restriction Sites: Sgfl-RsrII

ACCN: NM_198292

Insert Size: 3387 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_198292.3](#), [NP_938034.2](#)

RefSeq Size: 4947 bp

RefSeq ORF: 3387 bp

Locus ID: 21763

UniProt ID: [Q6ZPJ0](#)

Cytogenetics: 11 69.46 cM

Gene Summary: During endoplasmic reticulum (ER) stress or when cellular ceramide levels increase, may induce contacts between the ER and medial-Golgi complex to facilitate non-vesicular transport of ceramides from the ER to the Golgi complex where they are converted to complex sphingolipids, preventing toxic ceramide accumulation.[UniProtKB/Swiss-Prot Function]