

## Product datasheet for **MC218256**

### Tex2 (BC057406) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tex2 (BC057406) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tex2
Synonyms:	Taz4, Def-5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC057406  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAATGAGATTTACAACATGATCCAGAACTTACCACGCGACTTTGACGCACTCAGTCTTTGTCCGGC  
TCGAGGGTGGAACCTTAAGACTTTCAAAGCCCAACAAAAACATATCCAGGAGGGCAAGCTACAATGAGAC  
AAAGCCAGAGGTACCTACATCAGCCAGAAAATCTATGACCTCTCAGACAGCAAGATTTATCTTGTACCT  
AAAAGCTTGGCTCGAAAGCGAATCTGGAATAAGAAGTACCCATTTGCATTGAACTTGGTCGGCAAGATG  
ACTTTATGTCTAAGGCGCAGTCTGATAAGGAAGCTACTGAGGAGAAGCCGCTCTGAGAAAAGAGCTGCC  
GAGCGAAGACCTCAAGAAGCCACCCAGCCTCAAGAGGGGACGAAGTCTAGCCAGCGAGACCCAATACTG  
TATCTGTTTGGGAGAACGGGCCGAGAGAAAAGAGGAGTGGTTCAGGCGGTTATCTCGGCCTCGAGGCTGA  
AGTCAGAGCTCAGGAAGCCGGCGGGTGTCTGGAAGTAAATCAGGGCTTCTGCCCGCACACAGCAGGCA  
CAGCAGTCCCTCGGGCACCTGAGCCACAGCCGACGAGCAGCAAGGCAGCGTGGAGGAAATGATGTCC  
CAGCCAAAGCAGAAGGAACTGGTGGGCAGCGTGCAGACAAGATGCTCCTAGACTACAGTGTGTACATGG  
GCAGGTGTGTGCCCCAGGACAACCGAAGCCCCACAGGAGCCCCGTGCAGAGTGCAGAGAGCAGCCCCAC  
AGCTTCGAAGAAGTTGCCAGAGGCCACCCTCTGAGGAGGAAGAACAGGAAGCCTGGGTGAATGCTTTG  
CTTGGAAGAATATTTGGGACTTCTGGGCGAGAAATACTGGTCTGATGTGGTGTGCAAGAAAATCCAGA  
TGAAACTCAGCAAAATTAAGCTCCCCTACTTTATGAATGAACTAACACTGACAGAGCTTGACATGGGTGT  
AGCTGTGCCAAAATCCTCAGGCCTCAAGCCTTATGTTGATCACCAGGACTCTGGATCGATTTGGAA  
ATGCTTACAATGGTCCCTTCTGATGACTCTGGAACCAAAATGAACTTGACCAAACTAGGTAAGAGC  
CTCTTGTGAAGCCCTGAAGGTTGGAGAAATTGGCAAAGAAGGGCCAGGCATCTGTCTGGCTGACAG  
TGATGAAGAATCCTCAGTGTGGCTCCTCTGAGGAAGATGACCCACCAGAACCCTGCTGGAGACAAA  
CAGCCGCTCCCCGGGCTGAAGGTACGTTGGAGGTCATCGAACCAAGCAAGATTATGAGGTTTGTGATA  
AGATCACCAAAATCAAAATATTTCCAAAAGCAACAGAGACAGAATTCATTAAGAAAGATCGAAGAAGT  
CTCTAATACACCACTGCTGCTAACTGTGGAAGTCAAGAGTGTGAGGGACCTTGGCGGTCAACATCCCC  
CCACCACCGACTGACCGGATATGGTATGGTTTCCGGAAGCCACCGTATGTGGAGTGAAGCTCGGCCAA  
AACTTGGAGAGAGAAGTGACTTTAGTTCACGTGACAGAGTGGATTGAGAAGAACTGGAGCAGGAGCT  
TCAGAAAGTGTTCATGCCAAACATGGATGACGTTTATATTCCTATAATGCACCTGGCCATGGACCT  
CGCTCCACTTCTGCCTCTTGAAGAGCCACCTGTGGAGACCTCTGATCAGCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC057406

Insert Size: 1737 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:** [BC057406](#), [AAH57406](#)

**RefSeq Size:** 3122 bp

**RefSeq ORF:** 1736 bp

**Locus ID:** 21763

**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]