

Product datasheet for **SC337882**

TEX2 (NM_001288732) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TEX2 (NM_001288732) Human Untagged Clone
Tag:	Tag Free
Symbol:	TEX2
Synonyms:	HT008; TMEM96
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001288732, the custom clone sequence may differ by one or more nucleotides

ATGACAAGTCTGTATGGTCGCCATGCCGAGAAAACCACTGACATGCCAAAACCATCAGCCCTAAAGTGC
 ACGTGCAGAGGTCCGTGTCCCGAGATACCATCGCCATTCACTTCTCGGCATCCGGCGAGGAGGAGGGA
 AGAGGAGGAGGAGTTCCAGGGAGTACTTTGAGGAGGGCTGGATGACCAAAGCATTGTAACAGGGCTGGAA
 GCCAAGGAAGACCTCTATCTTGAACCCCAAGTTGGCCATGACCCCGCGGCCCTGCTGCCTCGCTGTCC
 TGGCAGATGGACTGTCCGTGTCCAGGCCCTGCCATTTTGCCCGTCTCCAAGAACACTGTAAAGCTGTT
 GGAGTCCCTGTTCAGCAGCACAAGTATTAAGTACAGTGCCATTGGCTGTGTCCCAGGGTCTGTTCTCG
 TCGGGGCCCTTAGCTAGCTCTCCAGTGTGTATCCCTTTCTGAGCAGAAAACAGTTCTTCTCCCAT
 TGTCTCTCCTTCTAAGTCTCCCATCCTCTCATCCAGTGCCTCAACCTCCACCCTTTCAGTGCAAACC
 CTTTCATGAGCCTTGTGAAGTCCCTGTGACCGAGGTGGAGCCAAAAGAATCCCCACACCCGCAAGGCAC
 AGGCACCTTGATGAAGACATTAGTCAAGTCTCTGTCCACGGACACTTCCCGGCAGGAGTCGGATACAGTGT
 CCTATAAGCCACCTGATTCCAACTGAACCTACACCTGTTCAAGCAGTTCACACAGCCCCGAAACACAGG
 TGGAGATTCCAAACTGCACCTTCTTCCCACTGACTTCTCCCTCTGATACTCGTTCTTTTTTAAAGTG
 CCCGAAATGGAGGCTAAAATTGAAGATACTAAACGACGCTTTTCAAGTCACTATGAGCCTTTTCAGC
 TCCTTAGTAAAAATTATAGGGGAAGAAAGTGGCAGCCATAGGCCAAAGCCTTATCTTCAAGTGCTTCAGA
 ACTCTCCAATCTGTCCAGCTTGAATGGGCACTTGAAAGCAATAACAACCTACAGCATCAAGGAGGAGGAG
 TGTGATTCTGAGGGGATGGCTACGGAAGTGATTCCAACATCCCAGAAAGTGACCACCCAAAGTCCACTG
 GTGAGCCCAAGAGAGATAGAAGTGAAGGTTCCAGGGGAGCAGTCTGAAGGATTTAGCCTGAAGAC
 AAGTTCTCTAGTTCTGGAGAAATGTTCTTTGTCTGCCTTAGTGAGCAAAGAAGATGAAGAGTTTTGTGAA
 CTGTACACTGAGGACTTCGATTTGGAACGGAGGGGAGAGTAAAGTTGATAAGCTCTCAGATATTCCTC
 TCAAGCCAGAGGTGCTCGCGGAAGATGGTGTGGTCTTGACAGTGAGGACGAGGTGGACTCGGCCGTGCA
 GCACCCGGAATTGCCAGTGAAGACGTTGGGCTTCTTTATAATGTGTGTCTATGTGACCTCATCTCCCC
 CTCCCCCACTATGTGAGTGGACTCTTTCTGGAATTGGCCTTGGATTGATGACTGCAGTTTGCGTGATTT
 GGTTTTTACACCACCAAGTGCTCATAAATATCACAAGTTACACAAAATCTGCGACACTGGAACACAAG


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ATCTCTGGATATCAAAGAACCTGAAATACTGAAGGGATGGATGAATGAGATTTACAACATATGATCCAGAA
 ACCTACCATGCGACTTTGACACATTAGTCTTTGTTGCACTTGAGGGTGGAACTTAAGACTTTCAAAGC
 CCAATAAAAAATATATCCAGGAGGGCCAGCTACAATGAACCAAGCCAGAGGTACCTACATCAGCCAGAA
 AATCTATGACCTCTCAGACAGCAAGATTATCTGTACCTAAACTTTGGCTCGAAAGCGAATCTGGAAT
 AAAAAGTACCCCATTTGTATCGAGCTTGGTCAGCAAGTAGCTTTATGTCTAAAGCTCAGACTGATAAGG
 AGACTTCAGAAGAGAAGCCGCCAGCTGAGGGAAGTGAGGACCCTAAGAAGCCACCCCGCCCTCAGGAGGG
 AACAGATCTAGCCAGCGAGATCAGATACTCTATCTTTGGGAGAACTGGCCGAGAAAAAGAGGAATGG
 TTAGGAGATTTATTCTGGCATCTAAGCTAAAGTCGGAATCAAGAAGTCATCGGGTGTCTCTGGAGGTA
 AACCAGGGCTTTTGCCTGCACACAGCAGACACAACAGTCCGTCCGGGCACCTGACCCACAGCCGAGCAG
 CAGCAAAGGCAGTGTGGAGGAGATCATGTACAGCCAAAGCAGAAGGAGCTGGCAGGCAGCGTGCAGCAG
 AAGATGCTTCTCGACTACAGCGTGTACATGGGCAGGTGTGTCCCCAGGAAAGCCGAAGCCCCCAGAGGA
 GCCCCCTGCAGAGTGGGAGAGCAGCCCCACAGCTGGGAAGAAGTTGCCAGAGGTTCCACCCTCTGAGGA
 GGAAGAACAGGAAGCCTGGGTGAATGCCTTGCTTGAAGAATATTTTGGGACTTCTTAGGAGAGAAATAC
 TGGTCTGATCTGGTGTCTAAGAAGATCCAAATGAAACTCAGCAAAATAAGCTCCCCTACTTTATGAATG
 AGCTCACTCTGACGGAACCTTGACATGGGCGTGGCTGTGCCAAAAATCCTCCAGGCCTTCAAGCCTTACGT
 TGATCACCAAGGACTCTGGATTGATTTGGAATGTCTACAATGGGTCTTTCTGATGACTCTCGAGACC
 AAAATGAATTTGACCAAACTAGGTAAAGAGCCTCTTGTGAAGCCCTGAAGGTTGGAGAAATGGCAAAG
 AAGGTTGCAGGCCCGGGCATTCTGTCTGGCGGACAGCGATGAGGAATCCTCCAGCGCTGGCTCTCCGA
 GGAAGACGATGCCCCAGAGCCCAGCGGGGAGACAAACAGCTCCTCCAGGGGCTGAAGGTTACGTTGGA
 GGTCATCGAACAAGTAAGATTATGAGGTTTGTGATAAAATTACCAAGTCAAAATATTTCCAAAAAGCAA
 CAGAGACAGAGTTTATAAAAAGAAGATCGAAGAAGTCTCCAACACACCCTGCTGCTCACTGTTGAAGT
 ACAAGAATGTAGAGGAACCTTGGCGGTCAACATTCCACCACCCCGACTGACCGAGTATGGTATGGTTTC
 CGAAAGCCACCACATGTGGAGCTGAAAGCTCGGCCAAACTTGGAGAGAGAGAAGTGACTTTAGTTCATG
 TGACAGACTGGATAGAGAAGAACTGGAGCAAGAGTTTCAGAAAGTTTTTGTATGCCAAACATGGATGA
 TGTTTATATCACTATAATGCACTCAGCCATGGACCCTCGCTCTACTTCTGCCTCCTGAAAGACCCACCT
 GTGGAGGCTGCTGATCAGCCATGA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001288732
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:	<u>NM_001288732.1</u> , <u>NP_001275661.1</u>
RefSeq Size:	5110 bp
RefSeq ORF:	3384 bp

Locus ID: 55852

UniProt ID: [Q8IWB9](#)

Cytogenetics: 17q23.3

Protein Families: Transmembrane

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]

Transcript Variant: This variant (2) uses an alternate in-frame acceptor splice site at an internal coding exon compared to variant 1. The resulting shorter isoform (2) lacks a 7 aa protein segment compared to isoform 1. Variants 2 and 3 encode the same isoform.