

## Product datasheet for SC122269

### TMSB4Y (BC022482) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TMSB4Y (BC022482) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TMSB4Y  
**Synonyms:** TB4Y  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_004202 edited  
TGGGGTTGCTCCCTACGGCTTCCTCCGCAGCCATGTCTGACAAACCTGGTATGGCTGAGA  
TCGAGAAAATTCGATAAGTCGAAACTGAAGAAGACAGAAACGCAAGAGAAGAATCCATTGT  
CTTCCAAAGAAACTATCGAACAGGAGAGGCAAGCAGGCGAATCTTAAACAGGCATGTGCC  
ACCAATATCTACTGTACATTCTACAAGCATTGCTTTCTTATTTTACTTCTTTTACTTGTT  
TAACTTGGTTAGATGCAAACACGTTGGATGAGTTTAAAAGGACTATGCTGCCCTTTTAC  
ATCAAAGACCTGCTGACAATGGAGGCCACGCCTGCTTCTCCATCGCCTGTCTGGCTGGC  
AGGGAAGGAAAATAGCTTGAATGTTGGTAAAAGACTTAGCGGAGTGGGAGGGCAGTGAAA  
TCTAGAGTAAAACCAAGTTGGGCAAGTGCCTGCAGAACTAAAATGAAGTTAATCAG  
CGTGCCATTTTGTGTTGTTGAAAAGATTTAATTTTGAATGCACAGTTTTTATTTA  
AAAAAGACATTTTAAACCACTGCTTGTGAGATTGCTTGTGATTGGAAAAGAGTGTTTA  
TTCACCATTTAAACGTTTGCAAAGTGGCGTGCCCTTGGCCTCACAGGCAAGAATAACT  
TAAAAGCTGACGATTTGAATAAATTATGTTACAGTATGAAATATGTTTTACCTGGATATG  
TAAAATACCTTCTTTATTCTAGCTAATTGGGAGATGATTTTTTTGGCTAATTGAGATTA  
CCTTTAGATTAATGTTTTCAAACCTGGCTTATACTGTAATCTACAATAAAGCACTAAT  
TTAGAGTTCAGCTATATTGTTGCATGTAGTGAGAAGGGACTTAATTACAACTTAAGACG  
TAAGTGTGCAATAAAGTAAGCTAAGAAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
AAAAATAAAAAAAAAAAAAAAAAA



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC022482 unedited CTCCTTAAGGCGGCCGCATAACTTCGTATAGCATACATTATACGAAGTTATGGCATCGGC CAAATCGGCCGAGCTCGAATTCGTGAGAGCGTGGGGTTGCTCCCTACGGCTTCTCCGC AGCCATGTCTGACAACTGGTATGGCTGAGATCGAGAAATTCGATAAGTCGAACTGAA GAAGACAGAAACGCAAGAGAAGAATCCATTGTCTTCCAAAGAACTATCGAACAGGAGAG GCAAGCAGGCGAATCTTATACAGGCATGTGCCACCAATATCTACTGTACATTCTACAAGC ATTGCTTCTTATTTTACTTCTTTTACTTGTTTAACTGGTTAGATGCANACACGTTGGA TGAGTTTGAAAGACTATGCTGCCCTTTTGACATCNAGACCTGCTGACATGGGAGCCACG CCTGCTTCTCCATCGNCTGTCTGGCTGGCAGGNAAGGAAATAGCNTTGATGTGTGAAAGA CTTACCGAGTGGGAGGCATGAATCTATAGTAAACAAGTTGGCCNAGTGTCTGCNAATCT AAATGAAATTTATCAGCGTGCATTTTTTGTGTGTTGAAAATTTAATTTGGAAATGCCG TTTTATTTAAAAAACTTTTTAACCTGCTGAAATTGCCTGTGTTGAAAAATGTTTTT TTCCTTTTAACTTTGCAAGGGCGGGCCCTTGCCACCAGCAAGAATACTTAAAGCGACC ATTTGATAAATTTGGTTCACTTGAAATGTGTTACCCGGATGTGAAAACCTCCTCTTTCA ACCATGGGAGAGT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC022482
<b>Insert Size:</b>	1000 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">BC022482.1</a></u>
<b>RefSeq Size:</b>	982 bp
<b>Locus ID:</b>	9087
<b>Cytogenetics:</b>	Yq11.221
<b>Protein Families:</b>	Stem cell - Pluripotency
<b>Protein Pathways:</b>	Regulation of actin cytoskeleton

**Gene Summary:**

This gene lies within the male specific region of chromosome Y. Its homolog on chromosome X escapes X inactivation and encodes an actin sequestering protein. [provided by RefSeq, Jul 2008]