

## Product datasheet for **SC102273**

### TM6SF1 (AK055438) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TM6SF1 (AK055438) Human Untagged Clone
Tag:	Tag Free
Symbol:	TM6SF1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for AK055438, the custom clone sequence may differ by one or more nucleotides

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GTATAACAAAAGTTAGTAATTTAGAAAGGAGGAACATGAAGTAATTTTTATTCCACTTTTTCTTCTGC
CTTTGTTTTATGAAGAAGCTCTGGTTTGTAGATACAACGATAGGCCAAGAGCTGAGGAAGAAGCTCCATAT
GCTATGTTTAAATGCTAAAAAAGGATTTTTGCTTCTTCAGGGACTCTGTAGACATAAGCAGTTCTAGCAT
GAAGAGATGCACCAATGTGAGAAAAGCTGAGCCTGTTGCATTTAAAAAATAAATTTAGTAAGCATGAAA
CGTGTTCAAGTTGGATGCATGATGAGTTCTGAATGGTTCATTTCAGGCTACGTTTCTGTGCCCTCAAAACCA
GTCTCACCTGCAGGCAAAATACCTTCAAACAATCCAGAGTCTTTAATGTCAGAGTCTTTCATTAATTTA
GTCCTTGATTAATTTAGGGCCATTCTTGATATGACTGTTCAAATAAAGTAGATATTATTTAGTGTAGTT
TTATCATGCCAGTTGTGTTTTTAAACCATCAAGTGCCCTTACCGAACATTAGTGGCTCAATCTAATAGA
AAAATCTGAATAAAATCTCAAATTTTTCTGATTTGCGTTCTGGAGATCCTACATACAGACTCAGTTGT
GGTTCACAAATTGTGTTCCAATAAAATGAAGAAAGCGCAGAGTTTTAAAAACAATATTTTTAGCATA
AACTATTGAAAGGAAGCACTGGGGGACCTCAGCTTCATTTATCAGTCTTTCATCTACTCCTTGCAGCA
AGAGCTCATACCCCTTCCCTATGTGTTTTTGTATTATTATTCATGATTTTGTGTTTTTCTGCAGCT
TTTAAGATATTAAGGGTTGTTTGAAGTAAGGTTGTTACCAACTGGGTGGAGGTAGGAGTACGGTTGC
TCTTTGTAATAAGGCAATGTACATGCAGGCAACCTTTTTAAATCAAATTATAATTTATTTAGAAGTACG
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TCAGAATGTGCCAATGGTCTTTTTGATTTTTCGCAAGCACAGAGAAAACCGTATTGGAAAGGGTA
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GTACCCCTGGAGTCTGCATTTTCATATCTTGTGAAATCAAGATACACATGAATAAAGGATTGGGAATC
TAAATGTAATAAGTAGTAATTTATCAGTTCATCAGGATCAAAGAGACAAAAGACTGCACATAGAGAAGG
CATAGAAGTAACAAGAATGAAGAAGTAGATAATTTGCTTTAAATACATATAAGTTATTCTACATTTCTTC
CATATGAAACCAATTTATTCTGCTGAGTGATTTACAGATAAAGGTGTTACTTACTTGACTTCACCATGA
CAAGAAAAGGACAAGTTTTTTTTAAGCAGCATCTTTATGAATTTTTTATCAGTGGCAGATATTTAATGG
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ATTAATTAGCATGATGTATTGCCAAGGACCAGCACGTGGATTGTCTACATTGTGATCCATGAGGCACTG
AGAGGACTCGGCCCTCAGATACAACTCCCTGGGTAGATGCCAGGCAGAACCCAGCAAATGTATATGCA
TCTCTGGGCTCTGAGGACAAAATGCCTTGAGAGTAAAGGGCACTTCAGGGCTGCCCTGAGGAGGTGCTT
TCTGGACATTCTAGGAAGCTCTGAGCAGGAGCATGGCTCCCATACTGTTTTTCTTAGGGCCTGTTTTGAA
TAATAGTGTTTTTCTGAATATATAACCAAGCATTTTCTTGGACTGGAAGCCACATTTGATCCCTGGTTC
TCAGAAATCTGGGTTTGGTGGTTCTGTCTTTATAGATACTTGTACACATCACAAAATCACAAATTTGGG
GAAATGCCAACCACTTTGAGAGAATAAATATGAGCAGTTGTGCCTACTTGCATAGGGGAGCCTGTGTA
AAAAGTCAGTGATTCCGTAGGCTCTTTTCTGCACTAACCCAGTGCAGTTAATACCTCACTTTCATGAACA
GCAAACCTCATGGCAACATTAAGTGAATCATGGCCGGGCGCAGTGGCTCACGCCTGTAATCCCAGTACTTT
GGGAGGCCAAGGCGGGTGGATCACCTGAGGTGAGGAGTTCAAGACGAGCCTGGCCAACATGGTGAAGCCC
CATCTCTACTAAAAAATACAAAAAATTAGCCGGGCGTGGTGGCAGACGCCGTAGTCTCAGTGCCTCGGG
AGGCTGAGGCAGGAGAATTGCTTGAACCCGGGAGTGGAGTTGCAGTGAGCCAAGATTGTGCCACTGCA
CTCCAGCCTGGGTGACAGAGTGAGACTCTGTCTTTAAAAAATAAAGATTTCATGTCCTTAGATTAGAT
TGTAAGCCCACTGGGCAGGTAAGTGTCTAATGTTTTGTGTGGCACCTGTACATTGTTAGAGCTCAATA
AACGTTCCCCC
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for AK055438 unedited</p> <pre>GGGTTCACCATTAGTATACGACTTATATAGGCGGCCGCGCAATTCGCACGAGGAAAAAC TCCATATGCTATGTTTAAATGCTAAAAAAGATTTTGGCTTCTTCAGGGACTCTGTAGACA TAAGCAGTTCTAGCATGAAGAGATGCACCAATGTGAGAAAACTGAGCCTGTTGCATTTAA AAAAAAAATTTAGTAAGCATGAAACGTGTTTCAGTTGGATGCATGATGAGTTCTGAATG GTTTCATTCAGGCTACGTTTCTGTGCCCTCAAACCAGTCTCACCTGCAGGCAAAATACCT TCAAACAATCCAGAGCTTTAATGTCAGAGTCTTTCATTAATTTAGTCCTTGATTAAT TTAGGGCCATTCTTGATATGACTGTTCAAATAAAGTAGATATTATTTAGTGTAGTTTTAT CATGCCAGTTGTGTTTTTAACCATCAAGTGCCCTTACCGAACATTAGTGGCTCAATCT AATAGAAAAATCTGAATAAAATCTCAAATTTTTTCTGATTTGCGTTCTGGAGATCCTGC ATACAGACTCAGTTGTGGTTCACAAATTGCGTTCCAATAAAAAAAGAAAGCGCAGAGT TTTAAAAAACAAATTTTTAGCATAAACTATTGAAAGGGAAGCACTGGGGGACCTCAG CTTCATTTATCAGTCTTTCATCTACTCCTTGACGCAAGAGCTCATACCCTTCCCTNATG TGTTTTTGTTTATTCATTTATTCATGTATTTGGTTTTTCTGCAGCTTTTAAAAATTTAA AGGTTGTTTTGTAAGATAAAGGNTGTTACCAACTTGGGTGGNAGTAAGAGTACCGTTGCT CTTTGTAATGGCAATGTACATGCAAGCAACCTTNTTAAATCAAATATAATTTATTTAA GTACGACTGTCAGCTTATCCGCATTGCAATGGCCTCCTCTTTATTTT</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for AK055438 unedited</p> <pre>AATAACTGTGNACCGCGGCCGCTTTCTANGATCGAGTTTTTCTTTTTTTTTTTTGTGTG TGAACGTTTATTGAGCTCTAACAAATGTGACAGGTGCCACAAAAACATACGACACAGTAC CTGCCAGTGGGCTTACAATCTAATCTAAGGACATGAATCTTTTTTTTTTTTAAAGACA GAGTCTCACTCTGTCACCCAGGCTGGAGTGCAGTGGCTCAATCTTGGCTCACTGCAACCT CCACTCCCGGGTTCAAGCAATTCTCCTGCCTCAGCCTCCCGAGCAGCTGAGATTACAGG CGTCTGCCACCACGCCGGCTAATTTTTGTATTTTTTAGTAGAGATGGGGTTTCACTAT GTTGGCCAGGCTCGTCTTGAACCTCCTGACCTCAGGTGATCCACCCGCTTGGCCTCCCAA AGTACTGGGATTACAGGCGTGAGCCACTGCGCCCGGCCATGATACACTTAATGTTGCCAT GAGTTTGTGTTTCATGAAAGTGAGATATTAAGTGCAGTGGTTAGTGCAGGAAAAGAGCCT ACGGAATCACTGACTTTTTACACAGGCTCCCCTATGCAAGTAGGCACAACCTGCTCATATT TATCTCTCAAAGTATGGTTGGCATTTCCTCAAAATTTGGTGATTAAGTGATGTGTACAAG TATCTATAAAGACAGAACCACCAACCCAGATTTCTGAGAACCAGGGATCAAATGTGGCT TCCAGTCCAGAGAAAATGCTTGGTTATATATTCAGAAAAACACTATTATTCAAAAACAGGC CCTAAGGAAAAACAGTTGGGGAGCCATGCTCCTGACCAGAGTTTCTAAAAGTCCAGAAGG CACCTCTCAAGGCAGCCCTGAAAATGCCCTTCTCTTAAGGCATTTTGGCCTCAAAGC CCCAAGAGCATATACATTGGCGGG</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AK055438
<b>Insert Size:</b>	2650 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>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).

**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:** [AK055438.1](#)

**RefSeq Size:** 2603 bp

**RefSeq ORF:** 2603 bp

**Locus ID:** 53346

**Cytogenetics:** 15q25.2

**Protein Families:** Transmembrane

**Gene Summary:** May function as sterol isomerase.[UniProtKB/Swiss-Prot Function]