

## Product datasheet for SC120711

### Transmembrane 4 L6 family member 1 (TM4SF1) (NM\_014220) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Transmembrane 4 L6 family member 1 (TM4SF1) (NM_014220) Human Untagged Clone
Tag:	Tag Free
Symbol:	Transmembrane 4 L6 family member 1
Synonyms:	H-L6; L6; M3S1; TAAL6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_014220 edited ATGTGCTATGGGAAGTGTGCACGATGCATCGGACATTCTCTGGTGGGGCTCGCCCTCCTG TGCATCGCGGCTAATATTTTGTCTTACTTTCCAATGGGAAACAAAGTATGCCTCCGAA AACCACCTCAGCCGCTTCGTGTGGTTCTTTCTGGCATCGTAGGAGGTGGCCTGCTGATG CTCCTGCCAGCATTTGTCTTCATTGGGCTGGAACAGGATGACTGCTGTGGCTGCTGTGGC CATGAAAACGTGGCAAACGATGTGCGATGCTTTCTTCTGTATTGGCTGCTCTCATTGGA ATTGCAGGATCTGGCTACTGTGTCATTGTGGCAGCCCTTGGCTTAGCAGAAGGACCACTA TGTCTTGATTCCCTCGGCCAGTGGAACTACACCTTTGCCAGCACCGAGGGCCAGTACCTT CTGGATACCTCCACATGGTCCGAGTGCCTGAACCAAGCACATTGTGGAATGGAATGTA TCTCTGTTTTCTATCCTCTTGGCTCTTGGTGAATTGAATTCATCTTGTGCTTATTCAA GTAATAAATGGAGTGCTTGGAGGCATATGTGGCTTTTGTGCTCTACCAACAGCAATAT GACTGCTAA



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_014220 unedited  
 CTTCCACCGCCCGTTGNCGCCAAAGGGCGGTAGGCGTGACGGTGAGGAGTCTATATAAGCA  
 GAGCTCATTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCGA  
 ATTCGGCACGAGGCACACTTTTACTAATTTGGGGTATCACTGAGCTGAAGACAAAGAGA  
 AGGGGGAGAAAACCTAGCAGACCACCATGTGCTATGGGAAGTGTGCACGATGCATCGGAC  
 ATTCTCTGGTGGGCTCGCCCTCTGTGCATCGCGGCTAATATTTTGCTTTACTTTCCCA  
 ATGGGGAACAAAGTATGCCTCCGAAAACCACCTCAGCCGCTTCGTGTGGTTCTTTCTG  
 GCATCGTAAGAGGTGGCCTGCTGATGCTCCTGCCAGCATTTGTCTTCATTGGGCTGGAAC  
 AGGATGACTGCTGTGGCTGCTGTGGCCATGAAAACGTGGCAAACGATGTGCGATGCTTT  
 CTTCTGTATTGGCTGCTCTCATTGGAATTGCAGGATCTGGCTACTGTGTCATTGTGGCAG  
 CCCTTGGCTTAGCAGAAGGACCACTATGTCTTGATTCCCTCGGCCAGTGGAACTACACCT  
 TTGCCAGCACCGAGGGCCAGTACCTTCTGGATACCTCCACATGGTCCGAGTGCATGAAC  
 CCAAGCACATTGTGGAATGGAATGTATCTCTGTTTTCTATCCTCTGGCTCTTGGTGAA  
 TTGAATTCATCTGTGTCTTATTCAAGTAATAAATGGAGTCTTGAAGCATATGTGGCT  
 TTTGCTGCTCTACCACAGCATATGACTGCTAANAGACCAACCCAGGACAGGCCACATC  
 TCCTCTATTTATTGGAATTATATATTTCACTTGGATCATTTGAAAACCTTTGNATAGTGTA  
 CATACTCCCCAGTCTACTTTACAACGCCGTTAGACTGCATCTCCAGGAGTCATGT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_014220 unedited  
 TCNGTTTTAATCTTTTTTTTTTAAACAAACAAAATTTTTTACTAAATTTAAACACTGACA  
 TCCTGTGAAGATGCCAGTCTTTACAGGCGTTTGTAAAAGTAGACTGTGGGAGTATGTTA  
 CACTAATACAAAGTTTTACAAATGAATACAAGTAAATATATAAATTACAATGAAATAGA  
 GGAATATTGTGGCTCTGTCTGGTTGGTCTTTTAGCAGTCATATTGCTGTTGGTGAGA  
 GCAGAAAAGCCACATATGCCTCCAAGCACTCCATTTACTTGAATAAGACACAAGAT  
 GAATTCATTCCACCAAGAGCCAAGAGGATAGAAAACAGAGATACATTCCATTCCACAAT  
 GTGCTTGGGTTCACTGCACTCGGACCATGTGGAGGTATCCAGAAGGACTGGCCCTCGGT  
 GCTGGCAAAGGTGAGTTCCACTGGCCGAGGGAATCAAGACATAGTGGTCTTCTGCTAA  
 GCCAAGGGCTGCCACAATGACACAGTAGCCAGATCCTGCAATTCGAATGAGAGCAGCCAA  
 TACAGAAGAAAGCATCGCACATCGTTTGGCACAGTTTTTCATGGCCACAGCAGCCACAGCA  
 GTCATCTGTTCCAGCCCAATGAAGACAAATGCTGGCAGGAGCATCAGCAGGCCACCTCC  
 TACGATGCCAGAAAAGACCACACGAAGCGGCTTGAGTGGTTTTTCGGAAGCATACTTGNT  
 TCCATTGGGAAAAGTAAAGCAAAATATTAGCCGGATGCACAGTAGGGCATAAGCCACC  
 AGAAATGTTTCGATGCATCGTGCACATTTCCATAACACATGTGGTCTGCTAGGT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_014220

**Insert Size:**

900 bp

**OTI Disclaimer:**

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<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="#">NM_014220.2</a></u> , <u><a href="#">NP_055035.1</a></u>
<b>RefSeq Size:</b>	1712 bp
<b>RefSeq ORF:</b>	609 bp
<b>Locus ID:</b>	4071
<b>UniProt ID:</b>	<u><a href="#">P30408</a></u>
<b>Cytogenetics:</b>	3q25.1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface antigen and is highly expressed in different carcinomas. [provided by RefSeq, Jul 2008]