

## Product datasheet for **SC305153**

### TM4SF20 (NM\_024795) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TM4SF20 (NM_024795) Human Untagged Clone
Tag:	Tag Free
Symbol:	TM4SF20
Synonyms:	PRO994; SLI5; TCCE518
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_024795 edited  
 CAACGTTTCTGAGCCAGAGGTGACCATGACCTGCTGCGAAGGATGGACATCCTGCAATGG  
 ATTCAGCCTGCTGGTCTACTGCTGTTAGGAGTAGTTCTCAATGTGATACCTCTAATTGT  
 CAGCTTAGTTGAGGAAGACCAATTTTCTCAAACCCCATCTTTGCTTTGAGTGGTGGTT  
 CCCAGGAATTATAGGAGCAGGTCTGATGGCCATTCCAGCAACAACAATGCCTTGACAGC  
 AAGAAAAAGAGCGTGTGCAACAACAGAACTGGAATGTTTCTTTCATCATTTTTTCAGTGT  
 GATCACAGTCATTGGTGTCTGTATTGCATGCTGATATCCATCCAGGCTCTCTAAAAGG  
 TCCTCTCATGTGAATTCCTCAAGCAACAGTAATGCCAATTGTGAATTTTCATTGAAAA  
 CATCAGTGACATTCATCCAGAATCCTTCAACTTGCAGTGGTTTTTCAATGACTCTTGTGC  
 ACCTCCTACTGGTTTCAATAAACCCACCAGTAACGACACCATGGCGAGTGGCTGGAGAGC  
 ATCTAGTTTCCACTTCGATTCTGAAGAAAAACAACATAGGCTTATCCACTTCTCAGTATT  
 TTTAGGTCTATTGCTTGTGGAATTCTGGAGGTCTGTTGGGCTCAGTCAGATAGTCAT  
 CGGTTTCTTGGCTGTCTGTGTGGAGTCTAAGCGAAGAAGTCAAATTTGTAGTTTTAA  
 TGGGAATAAAATGTAAGTATCAGTAGTTTGAATTAATTTGAGAAGTACACTTGTTTTCAA  
 AGTCATCTTTGAGATGATTTAAAAAATCAACCCTTACAGTAAAAAGCACGTTGTAATGC  
 ATAACTCTCATATCAGTGGTTGATTTGGGAAAGGTGGAGAGAATTTTCAATTAGTTTT  
 GTGTTGTACTATTCAAATTTTTTACCTCTTCACTGTGTGTAGAGAAAGGAGAAGGGAAGG  
 AGGATGAGAAGGAACGGAAGTCATCTGAAAAATAAAAGTACAGGACTTTTTTTTTTTTT  
 TTGAGACAGGGTCTCAAAAAAGGCTGGAGTACAGTAGTACAGTGGTGCTATCTCAGCTTA  
 CTGCAGCCTCAACCTCTGGGCTCAGGTGATTCTCCCATCTCAGCCTCCCTAGTAGCTGG  
 GACTACAGGTGCGTGCCACTATGCCAAGCTAATTTTTGTATTTTAGTAGAGATGGGGT  
 TTTCCATATTGCCAGGCTGGTCCCGAAGTCAAGTCAAGTGTCTGCCTGCCTCAGC  
 CTCCTAAAAGTGTGCGATTACAGGCATGAGCCATCGCGCCTAAAGGACAGGACCTTTTTA  
 TTGATTTCTTTAAAGAATAAATACATAACCTGAATGCAATCAAGTCTTTAGATCTAATT  
 CTCAGCTTGCAGGGAACACTAGGACAAATCCAAAAAGTGGGTGAGCGGGCACAGAATGGC  
 CCAATTTTCAACAGGAAAATGTTATAAAAGAAAAATTTTTTGGGGAAGTGTATAGAT  
 TAAGAGAATAGAGGCATGTTTCAGCTAAACACATGTAACCTTTGTCAGAGATAATTGGGA  
 GGAGTATGTAGAAGAATCGGATTATTGTTAATTTGGTAGGTCTGATAATGGTTTTATAG  
 TATAAAGGCTGAGTACCCTTATCCAAATGATTAAGATCAGAAGTGTTTGGCTTTTAC  
 ATTTTTTTGGATTTTGAATTTTGCCTATAATAATGAGACATCTTGGGGATGGGATGCAA  
 GTCTAACCACAAAATTCATTTATGTCTCATAACACTTTGAACACCTGGCCTGAAGGTAA  
 TTTACACAATATTTAAATAACTTTGTGCATGAAACACAATTTTACTGCAATTTGACT  
 GCAACTCATCACATGAGGTCAGGTATGGAATTTCCACTTGTGGTGTACGTTACTGGCT  
 CAAAAAGTTTTGGATCTCGGAGCATTCTGGATTTTGAATTTTGGATTAGTGATGCTCAA  
 CCTGTATACAGAAATGCCTCATTTTTAAAAAAGAAATGCATATTTATGTTTTAAAA  
 TTACTTCAACAAAAGCAATGGGAGATGTTTACTGTTATATTTAGGTGACAGTTACATG  
 GCAATTCATTATACCCTCCTATTTTCTATGTTTACATTATTCATTAATTAATAAAAAA  
 ACCTAGAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_024795  
**Insert Size:** 2200 bp

<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>The ORF of this clone has been fully sequenced and found to contain 2 SNPs compared with NM_024795.1.</p>
<b>Components:</b>	<p>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).</p>
<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>	<p><a href="#">NM_024795.1</a>, <a href="#">NP_079071.1</a></p>
<b>RefSeq Size:</b>	<p>2308 bp</p>
<b>RefSeq ORF:</b>	<p>690 bp</p>
<b>Locus ID:</b>	<p>79853</p>
<b>UniProt ID:</b>	<p><a href="#">Q53R12</a></p>
<b>Cytogenetics:</b>	<p>2q36.3</p>
<b>Protein Families:</b>	<p>Transmembrane</p>
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of the four-transmembrane L6 superfamily. Members of this family function in various cellular processes including cell proliferation, motility, and adhesion via their interactions with integrins. In human brain tissue, this gene is expressed at high levels in the parietal lobe, occipital lobe, hippocampus, pons, white matter, corpus callosum, and cerebellum. Knockout of the homologous gene in mouse results in a neurobehavioral phenotype with suggested enhanced motor coordination. A deletion mutation in the human gene is associated with specific language impairment-5. [provided by RefSeq, Jul 2016]</p>