

Product datasheet for **SC126663**

TM4SF2 (TSPAN7) (NM_004615) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TM4SF2 (TSPAN7) (NM_004615) Human Untagged Clone
Tag:	Tag Free
Symbol:	TM4SF2
Synonyms:	A15; CCG-B7; CD231; DXS1692E; MRX58; MXS1; TALLA-1; TM4SF2; TM4SF2b
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126663 sequence for NM_004615 edited (data generated by NextGen Sequencing)

```
ATGGCATCGAGGAGAATGGAGACCAACCTGTGATAACCTGTCTCAAACCTCCTCATC
ATCTACTCCTTCGTCTTCTGGATCACTGGGGTGATCCTGCTGGCTGTTGGAGTCTGGGGC
AAACTTACTCTGGGCACCTATATCTCCCTTATTGCCGAGAACTCCACAAATGCTCCCTAT
GTGCTCATCGAACTGGCACCATTATTGTTGTCTTTGGCCTGTTTGGATGCTTTGCTACA
TGTCGTGGTAGCCCATGGATGCTGAAACTGTATGCCATGTTTCTGTCCCTGGTGTTCCTG
GCTGAGCTCGTAGCTGGCATTTCAGGGTTTGTGTTTCGTCATGAGATCAAGGACACCTTC
CTGAGGACTTACACGGACGCTATGCAGACTTACAATGGCAATGATGAGAGGAGCCGGGCA
GTGGACCATGTGCAGCGCAGCCTGAGCTGCTGTGGTGTGCAGAACTACACCAACTGGAGC
ACCAGCCCCTACTTCTGGAGCATGGCATCCCCCAGCTGCTGCATGAACGAAACTGAT
TGTAATCCCAGGATCTACACAATCTGACTGTGGCCGCCACCAAAGTTAACCCAGAAGGGT
TGTTATGATCTGGTAACTAGTTTCATGGAGACTAACATGGGAATCATCGCTGGAGTGGCG
TTTGGAATCGCATTCTCCAGTTAATTGGCATGCTGCTGGCCTGCTGTCTGTCCCGGTTCC
ATCACGGCCAATCAGTATGAGATGGTGTAA
```

Clone variation with respect to NM_004615.3



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004615 unedited
 TCCCCACCTCCTGTAGGTGGCCGCGCAATCGGCACGAGGCCCGCCGCTGCCTGCCGCCG
 CCGCCGCCCGCCGGAGCTCTGTAGTATGGCATCGAGGAGAATGGAGACCAAACCTGTG
 ATAACCTGTCTCAAAACCTCCTCATCTACTCCTTCGTCTTCTGGATCACTGGGGTG
 ATCCTGCTGGCTGTTGGAGTCTGGGGCAAACCTACTCTGGGCACCTATATCTCCCTTATT
 GCCGAGAACTCCACAAATGCTCCCTATGTGCTCATCGGAACTGGCACCCTATTGTTGTC
 TTTGGCCTGTTTGGATGCTTTGCTACATGTCGTGGTAGCCCATGGATGCTGAAACTGTAT
 GCCATGTTTCTGTCCCTGGTGTTCCTGGCTGAGCTCGTAGCTGGCATTTCAGGGTTTGTG
 TTTCTGTCATGAGATCAAGGACACCTTCCTGAGGACTTACACGGACGCTATGCAGACTTAC
 AATGGCAATGATGAGAGGAGCCGGGCGAGTGGACCATGTGCAGCGCAGCCTGAGCTGCTGT
 GGTGTGCAGAATAACCAACTGGAGCACCAGCCCTACTTCCTGGAGCATGGCATCCCC
 CCCAGCTGCTGCATGAACGAACTGATTGTAATCCCCAGGATCTACACAATCTGACTGTG
 GCCGCCACCAAAGTTAACAGAAGGGTTGTTATGATCTGGTAACTAGTTTCATGGAGACT
 AACATGGGAATCATCGCTTGAGTGGCGTTTGAATCGATTCTCCAGTTAATTGCATGCT
 GCTGGCCTGCTGTCTGTCCCGTTCATCCACGCCAATCATTATGAGATGTGTAAGGGAGA
 TTCTTTCAATATGACGNATTAATAAACTGTTTAAAAGGACTGCCCATCCTTGAAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004615 unedited
 TGAGGCCCGCATTTTCTACAGTCGAGTTTTCCCTCCCCCCTTTGCAACTGCTTTATTTA
 TTAATACATATATCACAAATGTTACAATATCAATGCCTTGTGTTGGCATGCTATTAAC
 AGGCATTATTTTTGAAGATCTTTTAAAAATATTTTGACTGTTCCTTCCACTCATT
 TTCACATTGTTTGGACGAGGTCCTCACTGTCTACTCTGCCCATGTTCCAAAAACCACAGA
 CAGAAGTCTAAAATAACACAATAGCACTTAATTGTGGACAAACAACCTATCATGGTCTT
 TACAATAAGCAACAACACAGCTTTGGAACAGGGCCATACAGTTTTAACTGATAGGCAAA
 GATGCCCTAAACTGCCTACCCATACCCAGGTATGTAACAAGCAAGGATGCCCCCCCATT
 CCCTTTTTCTCATGTATGAACATGCTCTCTTCTCTCCAGCGACCCCTTTGAACCCCTT
 TTTTATCCCCATCCCCTCTCCAAAAGCAGTAAGCCTTACCCAGGGGACACCATAACCAAT
 GACACCACTCTTTAGACCCCAATCACCCCGCTCACCAATTAATGTCTGCGCCTTTT
 ATACAGCCAGCATCTTACAGACCCTTCTCCCTACTTTCCGGTCCACCCGTTCCAATCCA
 GTTTTATTATCTTATTTCCCCACGACTGCCTCCCGTCTACTCTACGACGGGCCCTCCC
 CGGGCTTTGCCCTGTGTT
 TTTCCAAAGGTCATTATCAGAACCGGCTCAAGTGGATAAACACGCCCCCAACCCCACT
 CTTTGTCTACGCTTAGCACCCCAATTTTTCTCCCCCGCTTTTATTTTTGCACCCCTT
 ACCTCGGCGCACCTTTTTAAAAATATGCTATCCCTTTCCAACACTCTTTACCTCTCAC
 TCCTCGCCTCCACCCCT

Restriction Sites:

NotI-NotI

ACCN:

NM_004615

Insert Size:

1890 bp

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: [NM_004615.2](#), [NP_004606.2](#)

RefSeq Size: 1813 bp

RefSeq ORF: 750 bp

Locus ID: 7102

UniProt ID: [P41732](#)

Cytogenetics: Xp11.4

Domains: transmembrane4

Protein Families: Druggable Genome, Transmembrane

Gene Summary: 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 glycoprotein and may have a role in the control of neurite outgrowth. It is known to complex with integrins. This gene is associated with X-linked cognitive disability and neuropsychiatric diseases such as Huntington's chorea, fragile X syndrome and myotonic dystrophy. [provided by RefSeq, Jul 2008]