

## Product datasheet for **SC118090**

### TSPAN6 (NM\_003270) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TSPAN6 (NM_003270) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSPAN6
Synonyms:	T245; TM4SF6; TSPAN-6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118090 sequence for NM_003270 edited (data generated by NextGen Sequencing)

```
ATGGCGTCCCGTCTCGGAGACTGCAGACTAAACCAGTCATTACTTGTTC AAGAGCGTT
CTGCTAATCTACACTTTTATTTTCTGGATCACTGGCGTTATCCTTCTTGCAGTTGGCATT
TGGGGCAAGGTGAGCCTGGAGAATTACTTTTCTTTTAAATGAGAAGGCCACCAATGTC
CCCTTCGTGCTCATTGCTACTGGTACCGTCATTATTCTTTTGGGCACCTTTGGTTGTTTT
GCTACCTGCCGAGCTTCTGCATGGATGCTAAAAGTGTATGCAATGTTTCTGACTCTCGTT
TTTTTGGTCGAACTGGTCGCTGCCATCGTAGGATTTGTTTTCAGACATGAGATTAAGAAC
AGCTTTAAGAATAATTATGAGAAGGCTTTGAAGCAGTATAACTCTACAGGAGATTATAGA
AGCCATGCAGTAGACAAGATCCAAAATACGTTGCATTGTTGTGGTGTACCGATTATAGA
GATTGGACAGATACTAATTACTCAGAAAAAGGATTTCTAAGAGTTGCTGTAACCTT
GAAGATTGACTCCACAGAGAGATGCAGACAAAGTAAACAATGAAGGTTGTTTTATAAAG
GTGATGACCATTATAGAGTCAGAAATGGGAGTCGTTGCAGGAATTTCTTTGGAGTTGCT
TGCTTCCAAGTATTGGAATCTTTCTCGCCTACTGCCTCTCTCGTGCCATAACAAATAAC
CAGTATGAGATAGTGTA
```

Clone variation with respect to NM\_003270.2



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_003270 unedited  
 AATTTTCGGATTTGTAACACGACTTCACTATAGGGCGGACCGCAATTCGGCAGAGGG  
 CAGGGTCTCGGGCTAGTCATGGCGTCCCGTCTCGGAGACTGCAGACTAAACCAGTCATT  
 ACTTGTTC AAGAGCGTTCTGCTAATCTACACTTTTATTTCTGGATCACTGGCGTTATC  
 CTCTTG CAGTTGGCATTGGGGCAAGGTGAGCCTGGAGAATTACTTTTCTTTTAAAT  
 GAGAAGGCCACCAATGTCCCCTTCGTGCTCATTGCTACTGGTACCGTCATTATTCTTTTG  
 GGCACCTTTGGTTGTTTTGCTACCTGCCGAGCTTCTGCATGGATGCTAAAACGTATGCA  
 ATGTTTTCTGACTCTCGTTTTTTTTGGTTCGAACTGGTCGCTGCCATCGTAGGATTTGTTTT  
 AGACATGAGATTAGAACAGCTTTAAGAATAATTATGAGAAGGCTTTGAAGCAGTATAAC  
 TCTACAGGAGATTATAGAAGCCATGCAGTAGACAAGATCCAAAATACGTTGCATTGTTGT  
 GGTGTCACCGATTATAGAGATTGGACAGATACTAATTACTCAGAAAAAGGATTTCT  
 AAGAGTTGCTGTAACCTGAAGATTGACTCCACAGAGAGATGCAGACAAAGTAAACAAT  
 GAAGGTTGTTTTATAAAGGTGATGACCATTATAGAGTCAGAAATGGGAGTCGTTGCAGGA  
 ATTTCTTTGGAGTTGCTTGCTTCCAACGATTGGAATCTTCTCGCCTACTGCCTCTCT  
 CGTGCCATAACANATAACAGTATGAGATAGTGAACCCAATGTATCTGTGGGCCTATTC  
 CTCTACCTTTAAGGACATTTAGGGTCCCCCTGTGAATAAAAAAGTCTTGNCTGNA  
 GAACTGACACACTACTTACTGATAN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_003270 unedited  
 CGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  
 TTTTTTTTTTTTACTTCATTTACAATTTACTAACTCTTCCAGTGTTCAAAGGGATACA  
 GGGTTTCAACGATCTAACATGAATGGGATAAAAAGGGGGACTTAAAACATAGCAAACATAC  
 CTTTTGATTGAATCACCCCACTGCGAGCACGGATCTTGATTGAATCACCTATTGGGGTA  
 GTTTTAGGGCTACATACATCTTGATTGAATCAACCTACTGGGTAGTTTTTTGGGCTATC  
 AAAAAGTAGGGTTGGCAGTTCTCCACCCAAGCAACTTTTTAATTCACAGGGGGGACCTA  
 AATGTCCTTAAAGGGAAAGAGGAATAGGCCCAAAATACATTGGGTTACACTATCTCATA  
 CTGGTTATTTGTTATGGCACAAAGAGGCGAGTAGGCGAAAAAAATCCAATCAGTTGGAA  
 GCAAGCAACTCCAAGGAAATTCCTGCAACGACTCCCATTCTGACTCTATAATGGGCAT  
 CACCTTTATAAAACAACCTTCATTGGTTACTTTGCCTGCATCCCTCTGGGAGAACAAATC  
 TTCAAGTTTACAACAACCTCTTAAGAAATCCTTTTTCTGAGAATAATTAGAATCTGCCCA  
 TCTCTATAATCGGGGACACCCCAACCATGCAACCGTATTTGGAATCTCTGCCTACTGGCT  
 GGGCTTCTATAAACCTCCTGGAAAGGTACTGCCTCAAAACCTTCTCCATATTAATTT  
 TTAAGCTGGTCTTAAATCCCATGTCTGGAAACCAAATCTTCGATGGCGGCGACCTTTT  
 GCCAAAAAACAGAGTCAAAACCTTTGCCTACCGTTTTAGCCTCCCGGCCAAACCTCGG  
 GGGGACCAAAACCCAGGGGGCCCAAGAATAATGCCGGTCCCTCCATGAGCCCAAGGG  
 GC

**Restriction Sites:**

ECoRI-NOT

**ACCN:**

NM\_003270

**Insert Size:**

1220 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\\_003270.2](#), [NP\\_003261.1](#)

**RefSeq Size:** 2069 bp

**RefSeq ORF:** 738 bp

**Locus ID:** 7105

**UniProt ID:** [O43657](#)

**Cytogenetics:** Xq22.1

**Domains:** transmembrane4

**Protein Families:** 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. The protein encoded by this gene is a cell surface glycoprotein and is highly similar in sequence to the transmembrane 4 superfamily member 2 protein. It functions as a negative regulator of retinoic acid-inducible gene I-like receptor-mediated immune signaling via its interaction with the mitochondrial antiviral signaling-centered signalosome. This gene uses alternative polyadenylation sites, and multiple transcript variants result from alternative splicing. [provided by RefSeq, Jul 2013]

Transcript Variant: This variant (1) encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.