

## Product datasheet for **SC323749**

### 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:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_003270.2  
CGCTCGTAAGTTTTTCGGCAGTTTTCCGGGGAGACTCGGGGACTCCGCGTCTCGCTCTCTGT  
GTTCCAATCGCCCGGTGCGGTGGTGCAGGGTCTCGGGCTAGTCATGGCGTCCCCGTCTCG  
GAGACTGCAGACTAAACCAGTCATTAAGAGCGTTCTGCTAACTACTACTTT  
TATTTTCTGGATCACTGGCGTTATCCTTCTTGAGTTGGCATTGGGGCAAGGTGAGCCT  
GGAGAATACTTTTCTTTTAAATGAGAAGGCCACCAATGTCCCTTCGTGCTCATTGC  
TACTGGTACCGTCATTATCTTTGGGCACCTTTGGTTGTTTGTACTGCGGAGCTTC  
TGCATGGATGCTAAAAGTATGCAATGTTTCTGACTCTCGTTTTTTGGTGAAGTGGT  
CGCTGCCATCGTAGGATTTGTTTTCAGACATGAGATTAAGAAGCAGCTTTAAGAATAATTA  
TGAAAAGGCTTTGAAGCAGTATAACTCTACAGGAGATTATAGAAGCCATGCAGTAGACAA  
GATCCAAAATACGTTGCATTGTTGTGGTGTACCGATTATAGAGATTGGACAGATACTAA  
TTATTACTCAGAAAAGGATTTCTAAGAGTTGCTGTAAACTTGAAGATTGACTCCACA  
GAGAGATGCAGACAAAGTAAACAATGAAGTTGTTTTATAAAGGTGATGACCATTATAGA  
GTCAGAAATGGGAGTCGTTGCAGGAATTTCTTTGGAGTTGCTTCTCAACTGATTGG  
AATCTTTCTCGCCTACTGCCTCTCTCGTCCATAACAAAATAACCAGTATGAGATAGTGTA  
ACCAATGTATCTGTGGCCTATTCCTCTCTACCTTTAAGGACATTTAGGGTCCCCCTG  
TGAATTAGAAAGTTGCTTGGCTGGAGAAGTACAACTACTTACTGATAGACCAAAAAA  
CTACACAGTAGGTTGATTCAATCAAGATGTATGTAGACCTAAAACCTACACCAATAGGCT  
GATTCATCAAGATCCGTGCTCGCAGTGGGCTGATTCAATCAAGATGTATGTTTGTCTATG  
TTCTAAGTCCACCTTCTATCCCATTTCATGTTAGATCGTTGAAACCTGTATCCCTCTGAA  
ACACTGGAAGAGCTAGTAAATTGTAATGAAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** EcoRI-NOT  
**ACCN:** NM\_003270



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<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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_003270.2</a></u> , <u><a href="#">NP_003261.1</a></u>
<b>RefSeq Size:</b>	2069 bp
<b>RefSeq ORF:</b>	738 bp
<b>Locus ID:</b>	7105
<b>UniProt ID:</b>	<u><a href="#">O43657</a></u>
<b>Cytogenetics:</b>	Xq22.1
<b>Domains:</b>	transmembrane4
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>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]</p> <p>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.</p>