

## Product datasheet for **SC334032**

### TSPAN6 (NM\_001278741) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TSPAN6 (NM_001278741) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSPAN6
Synonyms:	T245; TM4SF6; TSPAN-6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC334032 representing NM_001278741. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
 ATGCTAAACTGTATGCAATGTTTCTGACTCTCGTTTTTTTGGTCGAAGTGGTCGCTGCCATCGTAGGA  
 TTTGTTTTAGACATGAGATTAAGAACAGCTTTAAGAATAATTATGAGAAGGCTTTGAAGCAGTATAAC  
 TCTACAGGAGATTATAGAAGCCATGCAGTAGACAAGATCCAAAATACGTTGCATTGTTGTGGTGTCACC  
 GATTATAGAGATTGGACAGATACTAATTATTACTCAGAAAAGGATTTCTAAGAGTTGCTGTAACTT  
 GAAGATTGTAAGACAGAGAGATGCAGACAAAGTAAACAATGAAGGTTGTTTTATAAGGTGATGACC  
 ATTATAGAGTCAGAAATGGGAGTCGTTGCAGGAATTTCTTTGGAGTTGCTTGCTTCCAAGTATTGGA  
 ATCTTTCTCGCCTACTGCCTCTCTCGTGCCATAACAAATAACCAAGTATGAGATAGT**TAA**  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001278741
Insert Size:	474 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).


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**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\_001278741.1

**RefSeq Size:** 3895 bp

**RefSeq ORF:** 474 bp

**Locus ID:** 7105

**Cytogenetics:** Xq22.1

**Protein Families:** Transmembrane

**MW:** 17.9 kDa

**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 (3) differs in its 5' UTR, lacks a portion of the 5' coding region, and uses a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a. Both variants 2 and 3 encode isoform b.

**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.