

## Product datasheet for RC236137

### TSPAN6 (NM\_001278740) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TSPAN6 (NM\_001278740) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TSPAN6  
**Synonyms:** T245; TM4SF6; TSPAN-6  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC236137 representing NM\_001278740  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCTAAACTGTATGCAATGTTTCTGACTCTCGTTTTTTGGTCAACTGGTCGCTGCCATCGTAGGAT  
TTGTTTTAGACATGAGATTAAGAACAGCTTTAAGAATAATTATGAGAAGCTTTGAAGCAGTATAACT  
TACAGGAGATTATAGAAGCCATGCAGTAGACAAGATCCAAAATACGTTGCATTGTTGTGGTGCACCGAT  
TATAGAGATTGGACAGATACTAATTACTCAGAAAAAGGATTTCTAAGAGTTGCTGTAACCTGGAAG  
ATTGTAAGTCCACAGAGAGATGCAGACAAAAGTAAACAATGAAGTTGTTTTATAAAGGTGATGACCATTAT  
AGAGTCAGAAATGGGAGTCGTTGCAGGAATTTCTTTGGAGTTGCTTGCCTCCAAGTATTGGAATCTTT  
CTCGCCTACTGCCTCTCTCGTCCATAACAAATAACCAGTATGAGATAGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC236137 representing NM\_001278740  
Red=Cloning site Green=Tags(s)

MLKLYAMFLTLVFLVELVAAIVGFVFRHEIKNSFKNNYEKALKQYNSTGDYRSHAVDKIQNTLHCCGVTD  
YRDWDTNYYSEKGFPKSCCKLEDCTPQRDADKVNNEGCFIKVMTIIESEMGVVAGISFGVACFQLIGIF  
LAYCLSRITNNQYEIV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

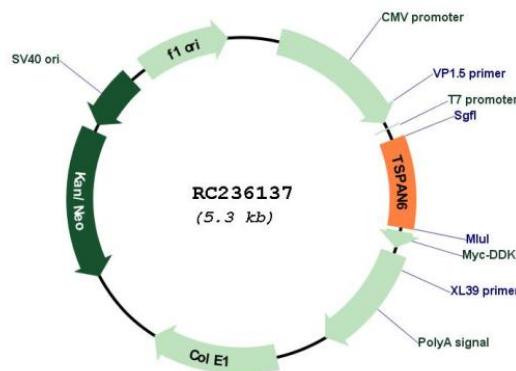


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001278740

ORF Size: 471 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<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>NM_001278740.2</u>
<b>RefSeq Size:</b>	4125 bp
<b>RefSeq ORF:</b>	474 bp
<b>Locus ID:</b>	7105
<b>Cytogenetics:</b>	Xq22.1
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	18.3 kDa
<b>Gene Summary:</b>	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]