

## Product datasheet for SC303987

### TSPAN16 (NM\_012466) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TSPAN16 (NM_012466) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSPAN16
Synonyms:	TM-8; TM4-B; TM4SF16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303987 representing NM_012466. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC  
 ATGGCTGAAATCCACACTCCGTATTCTTCCTTGAAGAACTGTTATCTTTACTCAATGGCTTCGTGGCT  
 GTGTCTGGCATCATCCTAGTTGGCCTGGGCATTGGTGGTAAATGTGGAGGGGCTCTCTGACGAATGTC  
 CTCGGGCTGTCTCCGCATACCTCCTTCACGTTGGCAACCTGTGCCTGGTATGGGATGCATCACGGTA  
 CTGCTTGGCTGTGCCGGTGGTATGGAGCGACTAAAGAGAGCAGAGGCACGCTCTTGTCTTTCATCCTG  
 TCAATGGTTATTGTCTCATCATGGAAGTTACAGCTGCCACAGTGGTCTTCTTTCTTTCCAATTGTT  
 GGAGATGTGGCCTTGGAACACACCTTCGTGACCCTGAGGAAGAATTACAGAGGTTACAACGAGCCAGAC  
 GACTATTCTACACAGTGGAACCTTGGTCATGGAGAAGCTAAAGTGCTGTGGGGTGAATAACTACACAGAT  
 TTTTCTGGCTCTTCCTTCGAAATGACAACGGGCCACACCTACCCAGGAGTTGCTGTAAATCCATCGGA  
 AGTGTGTCTGTGACGGACGCGATGTGTCTCCAAACGTCATCCACCAGAAGGGCTGTTTCCATAAACTC  
 CTA AAAATCACC AAGACTCAGAGCTTACCCTGAGTGGGAGCTCTCTGGGAGCTGCAGTGATACAGAGG  
 TGGGGTCTCGCTATGTTGCGCAGGCTGGTCTTGAAGTCTGGCC TAA  
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_012466
Insert Size:	738 bp


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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_012466.3</a></u>
<b>RefSeq Size:</b>	1049 bp
<b>RefSeq ORF:</b>	738 bp
<b>Locus ID:</b>	26526
<b>UniProt ID:</b>	<u><a href="#">Q9UKR8</a></u>
<b>Cytogenetics:</b>	19p13.2
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	26.3 kDa
<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. This encoded protein might couple to signal transduction pathways and possibly modulate cellular activation and adhesion in haemopoietic and neural tissue. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The sequence AF133424.1 is a chimeric mRNA clone. Only the tetraspanin TM4-B region was propagated into this RefSeq record.</p>