

Product datasheet for **SC126945**

TSPAN3 (NM_005724) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSPAN3 (NM_005724) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSPAN3
Synonyms:	TM4-A; TM4SF8; TSPAN-3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126945 sequence for NM_005724 edited (data generated by NextGen Sequencing)

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ATGGGCCAGTGCCGCATCACCTCCTCCAAGACCGTGTGGTCTTTCTCAACCTCATCTTC
TGGGGGGCAGCTGGCATTATGCTATGTGGGAGCCTATGTCTTCATCACTTATGATGAC
TATGACCACTTCTTTGAAGATGTGTACACGCTCATCCCTGCTGTAGTGATCATAGCTGTA
GGAGCCCTGCTTTTCATCATTGGGCTAATTGGCTGCTGTGCCACAATCCGGGAAAGTCGC
TGTGGACTTGCCACGTTTGTATCATCCTGCTCTTGGTTTTTGTACAGAAAGTTGTTGTA
GTGGTTTTGGGATATGTTTACAGAGCAAAGGTGGAAAATGAGGTTGATCGCAGCATTGAG
AAAGTGATAAGACCTACAATGGAACCAACCCTGATGCTGCTAGCCGGGCTATTGATTAT
GTACAGAGACAGCTGCATTGTTGTGAATTCACAACACTCAGACTGGGAAAATACAGAT
TGGTTCAAAGAAACCAAAAACCAGAGTGTCCCTCTTAGCTGCTGCAGAGAGACTGCCAGC
AATTGTAATGGCAGCCTGGCCACCCCTCCGACCTCTATGCTGAGGGGTGTGAGGCTCTA
GTTGTGAAGAAGCTACAAGAAATCATGATGCATGTGATCTGGGCCGCACTGGCATTGCA
GCTATTACAGCTGCTGGGCATGCTGTGTGCTTGCATCGTGTGTGCAGAAGGAGTAGAGAT
CCTGCTTACGAGCTCCTCATCACTGGCGGAACCTATGCATAG

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Clone variation with respect to NM_005724.5
603 a=>t



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005724 unedited
 TGTAATACGACTCACTATAGGGCGGCCCGATTTCGGCACGAGGGCCGCCATTGCCG
 CTCTCTCGGTGAGCGCAGCCCGCTCTCCGGGCCGGGCTTCGCGGGCCACCGGCCCAT
 GGGCCAGTGGCGCATCACCTCCTCAAGACCGTGTGTTCTTCAACCTCATCTTCTG
 GGGGCGAGCTGGCATTATGCTATGTGGGAGCCTATGTCTTCACTATTATGATGACTA
 TGACCACTTCTTTGAAGATGTGTACACGCTCATCCCTGCTGTAGTGATCATAGCTGTAGG
 AGCCCTGCTTTTTCATCATTGGGTAATTGGCTGCTGTGCCACAATCCGGGAAAGTCGCTG
 TGGACTTGCCACGTTTGTATCATCCTGCTCTGGTTTTTGTACAGAAGTTGTTGTAGT
 GGTTTTGGGATATGTTTACAGAGCAAAGGTGAAAATGAGGTTGATCGCAGCATTAGAA
 AGTGATAAGACCTACAATGGAACCAACCCTGATGCTGCTAGCCGGGCTATTGATTATGT
 ACAGAGACAGCTGCATTGTTGTGGAATTCACAATACTCAGACTGGGAAAATACAGATTG
 GTTCAAAGAAACAAAACAGAGTGTCCCTCTTAGCTGCTGCAGAGAGACTAGCCAGCA
 TTGTAATGGCAGCTGGCCACCCTTCCGACCTCTATGCTGANGGGTGTGAGGCTCTAGT
 TGTGAAGAAGCTACAGAAATCATGATGCATGTGATCTGGGCCGACTGGCATTTCAGCT
 ATTCAGCTGCTGGGCATGCTGTGTGCTTGCATCGTGTGTGCAGAAAGAGTANAGATCCC
 TGCTACGAGCTCCTCATCACTGGCGNAACCTATGCATAGNTGACAACCTAAGCCTGAGC
 TTTTTGGTNTGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005724 unedited
 CCCTGCTCCTCCCCTCCCCTCCNCCNCCGCTTCTCCCTTTTATCTCTGNATCGCGGC
 CCGGCATTCCACGATCGAGTTTTTTTTTTTTTTTTTTTTGGGGGCTGCTACAGAGCTTATTG
 CAATAGATTTTTCTATTTACAACAGATCACATCTACATACTATTTGCTAGTCTACAT
 GGGTCCATTATTTCCCAACAAGCTTAAGACTTACCATGAATGGGCTCATTTATACAAAAC
 AACTCACAATAATTCTTTTAAAACAGCACTGCCTACATTATACTCCTCCTATAAAGCCA
 ACTTTGATTAAAAACCACTAGTTTCAAAGCTCAGCCTCTGATTTGGAAGATGAACCACGA
 TCTACGCCATATGATCTCACCATCTATTTAGTCATTTGCGCACAGCCGCCATCCTATTG
 GACTACAGCAAATATTTTTTAAAAGGACCCCAATGAGGGGACCCCTCTGGCGTTAACCTT
 AACCAGAAAGCTGGCTGCCTCCTCCTTCCCTAAAAACTTTGGCCACCATTCTCCACTG
 TGAAGACTGCAAAGACCTGCCGAATTTGCGCGTCCCACTGGTACCCCTTGGCCCTACA
 CATACCCGGCCCGCGTCTCCTTAACTCCACCCCTCCCTGACCCCTACCCCGGT
 TCCCACACTCCACACCCCTTTTTTCTCACCATTCTTGGGCTTGAAGAATCCC
 CTCAGACCCCGCAACACCACACCNCCCGCTCATCGGTCAATTTTCTTCCCTCCTCA
 AATACCAATTCGCGCCTTGTCCAAACCAATTGAATTCCTTTTCACTAACGCACCCC
 CAGAGGGCCCAAGCTCGCCCACTGATTTATCCCCCCCCCATATAAAAACGACCCATC
 CCCCTCTCGCTAATTCGCCCTTATCCCAAGTACCCCTGCTTTTTCGCGCCCTTTT
 AAACCCCACTCCCTTCTTCTCC

Restriction Sites:

NotI-NotI

ACCN:

NM_005724

Insert Size:

1730 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_005724.4](#), [NP_005715.1](#)

RefSeq Size: 1842 bp

RefSeq ORF: 762 bp

Locus ID: 10099

UniProt ID: [O60637](#)

Cytogenetics: 15q24.3

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 use of alternate polyadenylation sites has been found for this gene. Multiple alternative transcripts encoding different isoforms have been described. [provided by RefSeq, Dec 2009]

Transcript Variant: This variant (1) encodes the longest isoform (1). 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.