

Product datasheet for **SC108198**

TSPAN2 (NM_005725) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSPAN2 (NM_005725) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSPAN2
Synonyms:	NET3; TSN2; TSPAN-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005725, the custom clone sequence may differ by one or more nucleotides

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ATGGGGCGCTTCCGCGGGGGCCTGCGGTGCATCAAGTACCTGCTGCTTGGCTTCAACCTGCTCTTCTGGC  
TGGCTGGATCGGCCGTCATTGCTTTTGGACTATGGTTTCGGTTCGGAGGTGCCATAAAGGAGTTATCATC  
AGAGGACAAGTCCCAGAGTATTCTATGTGGGGCTGTATGTTCTGGTTGGAGCCGGGGCCCTGATGATG  
GCCGTGGGTTCTTCGGGTGCTGCGGAGCCATGCGGGAGTCGCAATGTGTGCTTGGATCATTTTTTACCT  
GCCTCCTGGTGATATTTGCTGCTGAAGTAACCACTGGAGTATTTGCTTTTATAGGCAAGGGGTAGCTAT  
CCGACATGTTAGACCATGTATGAAGAGGCTTACAATGATTACCTTAAAGACAGGGGAAAAGGCAATGGG  
ACACTCATCACCTTCCACTCAACATTTTCAGTGCTGTGGAAAAGAAAGCTCCGAACAGGTCCAACCTACAT  
GCCCAAAGGAGCTTCTAGGACACAAGAATTGCATCGATGAAATTGAGACCATAATCAGTGTTAAGCTCCA  
GCTCATTGGAATTGTCGGTATTGGAATTGCAGGCTGACGATCTTGGCATGATATTCAGCATGGTCCTC  
TGCTGTGCGATACGAACTCACGAGATGTGATATGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005725 unedited
AACGCCTGAATTTGTATACGACTCACTATAGGCGGCCGACGAATTCGCACGAGGCCCCGC
GCTCGTAGCGGGCCTGGGGACTGGGGATCCCGCCGCCGGGCCGAGCATGGGGCGCTT
CCGCGGGGGCCTGCGGTGCATCAAGTACCTGCTGCTTGGCTTCAACCTGCTCTTCTGGCT
GGCTGGATCGGCCGTATTGCTTTTGGACTATGGTTTCGGTTCGGAGGTGCCATAAAGGA
GTTATCATCAGAGACAAGTCCCCAGAGTATTTCTATGTGGGGCTGTATGTTCTGGTTGG
AGCCGGGGCCCTGATGATGGCCGTGGGGTCTTCGGGTGCTCGGAGCCATGCGGGAGTC
GCAATGTGTGCTTGGATCATTTTTACCTGCCTCCTGGTGATATTTGCTGCTGAAGTAAC
CACTGGAGTATTTGCTTTTATAGCAAGGGGTAGCTATCCGACATGTTCAAGACCATGTA
TGAAGAGGCTTACAATGATTACCTTAAAGACAGGGGAAAAGGCAATGGGACACTCATCAC
CTTCCACTCAACATTTCACTGCTGTGGAAAAGAAAGCTCCGAACAGGTCCAACCTACATG
CCCAAAGGAGCTTCTAGGACACAAGAATTGCATCGATGAAATTGAGACCATAATCAGTGT
TAAGCTCCAGCTCATTGGAATTGTCGGTATTGGAATTGCAGATCTTGGCATGATATTCA
GCATGGTCTCTGCTGTGCGATACGAAACTCACGAGATGTGATATGAAGCTACTTCTACA
TGAATAATTGCAATCTAAAGCTTTTACATACCAATGTCACAGGAGCTGTCTCCAGCTCATT
TTTAACTGAAATGACTTTANGATCTAAAATAATTTGCTGTCAATTGTACATTTGCATG
AGTACCTATGTTTGGCTCATTACTGTTTACC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005725 unedited
GCAGTGTTTTTTACGGGGTGGTGCATAAAAGAACATTATTTTTGTTCTGTGTATATATA
AGTATTTTTGTTTCTTAACTTGTTCGTTGCCACACACAAGTGGAGAGATGCTTT
TCTTTATTTTGGTTTGGCAAAGATGCTAATGGTTAAATTATGAAGGACTTTGTTTTACT
TATGTTAAGTGGTGAAGTGTAGTTCTTAATCTATGAAGAATTCTCTAGGTGGCTATAC
AAGAAAAATACAAAAAGTTAGGAAAACATGTAACGTAAGTTATGAGGTATTTTCATAGAT
ACAGTGCCATACAAAATTCTTTCCCAAAATTTCAACTGCCAGATCTCTTGTCTTGTAGT
CTTTTTCTTATATTTGGAGAAACAGAAGAGTTTGCATAAAAGTCCCTTTGAGGATGT
GAGGGTTGCAGTAGTTTACAGCAGGGTCAGAAAATGAAAGTAATAAGCAATATTTACAT
GTTTTTGTATAAGAACAATAATTTTCTTAAAAAGTTGTTAAAAAGTTTTTGTAGTCTAT
AAACACTCACTTTTATAGGGCACATGATTGTCTGTGTGACTTCTCTTCCAGAGGAAGAC
TTTTTTATTTTTAAATTTAGGAAAGCATGACTTATTTCAAAATTTGGATTNTCCATGCTATA
TTTAGTTTTACAGATGTGTTTGTCTAAAAGTGTGGTTACTGTATTCTGGGGAGAGCA
TGATATANAAAAACCCAGAAACCCCTTACACCAACTTANACACAGNCAGGTTTTTACAC
TCCATTGTGATCTCTCAATTCTTACAGCTTATTACTCCCATTAAGAAAAGATCTCTGGAT
CCTCTGCATCTAATTTCCATGGCTACAGTCTGAGGAACTGACCCATTTACCTTTTCTAA
TAGCCAGATTCTCAAGTTTCTGAAAGCTTTTGATCTTTCTTTTCTTGGAGCCGAATAA
GGTGGCCCTCTTATATACAAGCAAN

Restriction Sites:

NotI-NotI

ACCN:

NM_005725

Insert Size:

2050 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).

Reconstitution Method:	<ol style="list-style-type: none">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_005725.3 , NP_005716.2
RefSeq Size:	3207 bp
RefSeq ORF:	666 bp
Locus ID:	10100
UniProt ID:	O60636
Cytogenetics:	1p13.2
Domains:	transmembrane4
Protein Families:	Transmembrane
Gene Summary:	<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. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note:.</p>