

## Product datasheet for **SC109202**

### TSPAN14 (NM\_030927) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TSPAN14 (NM_030927) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSPAN14
Synonyms:	DC-TM4F2; TM4SF14; tspan-14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109202 sequence for NM_030927 edited (data generated by NextGen Sequencing)

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ATGCACTATTATAGATACTCTAACGCCAAGGTCAGCTGCTGGTACAAGTACCTCCTTTTC
AGCTACAACATCATCTTCTGGTTGGCTGGAGTTGTCTTCTTGGAGTCGGGCTGTGGGCA
TGGAGCGAAAAGGGTGTGCTGTCCGACCTCACAAAGTGACCCGGATGCATGGAATCGAC
CCTGTGGTGTGGTCTGATGGTGGCGTGGTGTGTTACCCTGGGGTTCGCCGGCTGC
GTGGGGGCTCTGCGGGAGAATATCTGCTTGCTCAACTTTTTCTGTGGCACCATCGTGCTC
ATCTTCTTCTGGAGCTGGCTGTGGCCGTGCTGGCCTTCTGTTCCAGGACTGGGTGAGG
GACCGGTTCCGGGAGTTCTTCGAGAGCAACATCAAGTCTACCGGACGATATCGATCTG
CAAAACCTCATCGACTCCCTTCAGAAAGCTAACCAAGTGTGTGGCGCATATGGCCCTGAA
GACTGGGACCTCAACGTCTACTTCAATTGCAGCGGTGCCAGCTACAGCCGAGAGAAGTGC
GGGGTCCCTTCTCTGCTGCGTGCCAGATCCTGCGCAAAAAGTTGTGAACACACAGTGT
GGATATGATGTCAGGATTGAGCTGAAGAGCAAGTGGGATGAGTCCATCTTACGAAAAGGC
TGCATCCAGGCGCTGAAAAGCTGGCTCCCGCGGAACATTTACATTGTGGCTGGCGTCTTC
ATCGCCATCTCGCTGTTGCAGATATTTGGCATCTTCTGGCAAGGACGCTGATCTCAGAC
ATCGAGGCAGTGAAGGCCGCCATCACTTCTGA

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Clone variation with respect to NM\_030927.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_030927 unedited  AAGCCAGATTTGTATACGACTCATATAGGCGGCCGCGACATCGGCACGAGGTGCCTTTCA  GCTAGATAGCTGGAGAACTGGCTCCTCCCTCCTTAGGCTGTGCTGGCCTGAGCTGGGAG  CCTGAGAGCTGGGGCAGTTGTCTCTAAAGTGGCTTCTGGGATTCTGGTAAGAGATTCTGC  TTCTCAGAAGATGCACTATTATAGATACTCTAACGCCAAGGTGAGCTGCTGGTACAAGTA  CCTCCTTTTCAGCTACAACATCATCTTCTGGTTGGCTGGAGTTGTCTTCTTGGAGTCGG  GCTGTGGGCATGGAGCGAAAAGGGTGTGCTGTCCGACCTACCAAGTGACCCGGATGCA  TGGAAATCGACCCTGTGGTGTGGTCTGATGGTGGGCGTGGTGTGTTTACCCTGGGGTT  CGCCGGCTGCGTGGGGCTCTGCGGGAGAATATCTGCTTCTCAACTTTTTCTGTGGCAC  CATCGTGTCTATCTTCTTCTGGAGCTGGCTGTGGCCGTGCTGGCCTTCTGTTCCAGGA  CTGGGTGAGGGACCGGTTCCGGGAGTTCTTCGAGAGCAACATCAAGTCTACCGGGACGA  TATCGATCTGCAAACTCATCGACTCCCTTCAGAAAGCTAACCCAGTGTGTGGCGCATA  TGGCCCTGAAGACTGGGACCTCAACGTCTACTTCAATTGCAGCGGTGCCAGCTACAGCCG  AGAGAAGTGGGGTCCCTTCTCTGCTGCGTGCCAGATCCTGCGCAAAAAGTTGTGAA  CACACAGTGTGGATATGATGTCANGATTAGCTGAAGAGCAAGTGGGATGAGTCCATCTT  CAGCAAAGGCTGCATCCAGGCGCTGNAAGCTGGGCTCCGCGAACATTTACATTTGTGCT  GGCGTCTTCATCNATCTCGCTGNTGCAGATATTTGCT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_030927 unedited  TGGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAATATAAAGATAT  ATTCCATAAAAAGAGTTTGGCAGTCAAAGAGAAGCATCACACTCCGAAAAACACAAGCAT  TCTTCTCCTAGTCTACAGAGAATTGTGTAAAAAAAAAAAAAAAAATCATCATCAACAGCC  ACCAGTATACACCACACTAGAATGTACACTCCGCAAGTAAATTAAGGTTGCAGTCCATC  CCTGAACGATGAGAAGTGGTCTGAGCTATGGCAAAGTGTAGAAAAGTAGCCAGCTAGAC  AAATGCCCCAGCTATCCCCAGGGGAGTTATTCAGTACTTAAGACTTCATTTCCAAGAGCA  GCCCCAGAAAAGCCCTGACAGGAAGGGTGGACCAGTGATCACCGATATCCATTAGGGGC  GGTCACCAGAAAACAAAATGCCTGGAGCTTCTGAGCAGCTGCAGCCTGGGGTTGTGGCTAG  GCACGGGTGTGGTTGCAGAAGAACGGCTGTCTCCGGGGAGAGGCAAATGGCAGGCCAGC  CAGCCCTGGGTACATGGCCACAAGAGGAGCCCTGGCCAACAGTTTCAGGCTGGCCATCTT  GGGCTGGGGCTCCCTGGGCTTGCAGTGGGAGGGTCAAGATTCAAATCTGGGTGACAAT  TTCAGTAGCACAAGACCAGAAGACAGTGAAGCCACGCTGGGGAGTGGGGAGTGCTTGT  ATGTGGGATGCATGGAGGGAGGCTGCACTATGTGGAGGAGAAAAGAGAGGCCTGTGTGGC  TGTTCTTAAGAACTCAAGGACTCAAAGTTTCGCTCAGCCATGGCACTATCTAAGCTGC  TCANNAGAAATGCTGCAGAGAGAAAAGAANTGAAATGTGTGAGACATTCTACCCTATAAT  AACATTTACCCTTAGGAAAGAA</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_030927
<b>Insert Size:</b>	2690 bp
<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>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>	<a href="#">NM_030927.1</a> , <a href="#">NP_112189.1</a>
<b>RefSeq Size:</b>	2556 bp
<b>RefSeq ORF:</b>	813 bp
<b>Locus ID:</b>	81619
<b>UniProt ID:</b>	<a href="#">Q8NG11</a>
<b>Cytogenetics:</b>	10q23.1
<b>Domains:</b>	transmembrane4
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>Regulates maturation and trafficking of the transmembrane metalloprotease ADAM10 (PubMed:26668317, PubMed:23035126, PubMed:26686862). Negatively regulates ADAM10-mediated cleavage of GP6 (By similarity). Promotes ADAM10-mediated cleavage of CDH5 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Variants 1, 3, 4, 5, 6, 7, 8 and 9 encode the same protein (isoform 1).</p>