

## Product datasheet for **SC320601**

### TSPAN4 (NM\_003271) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TSPAN4 (NM\_003271) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TSPAN4  
**Synonyms:** NAG-2; NAG2; TETRASPAN; TM4SF7; TSPAN-4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_003271.4  
 CGGGAGGCGGCGCAGAGCTTGGGGCTTCTTGGTCGCACCCACCACCTGCCTGCCCA  
 CTGGTCAGCCTTCAGGGACCCTGAGCACCGCCTGGTCTCTTTCCCTGTGGCCAGCCAGAA  
 CTGAAGCGCTGCGGCATGGCGCGCCTGCCTCCAGCCGTCAAGTACCTCATGTTGCGC  
 TTCAACCTGCTCTTCTGGCTGGGAGGCTGTGGCGTGTGGGTGTGCGCATCTGGCTGGCC  
 GCCACACAGGGGAGCTTCGCCACGCTGTCTCTTCCCTCCCGTCCCTGTGGCTGCCAAC  
 CTGCTCATCATCACCGCGCCTTTGTTCATGGCCATCGGCTTCGTGGGCTGCCTGGGTGCC  
 ATCAAGGAGAACAAGTGCCTCCTGCTCACTTTCTTCTGCTGCTGCTGCTGGTGTCTCTG  
 CTGGAGGCCACCATCGCCATCCTTCTTCGCCTACACGGACAAGATTGACAGGTATGCC  
 CAGCAAGACCTGAAGAAAGGCTTGCACCTGTACGGCACGCAGGGCAACGTGGGCCTCACC  
 AACGCCTGGAGCATCATCCAGACCGACTCCGCTGCTGTGGCGTCTCCAACACTACTGAC  
 TGGTTCGAGGTGTACAACGCCACGCGGGTACCTGACTCCTGCTGCTTGGAGTTCAGTGAG  
 AGCTGTGGGCTGCACGCCCCCGGCACCTGGTGAAGGCGCCGTGCTACGAGACGGTGAAG  
 GTGTGGCTTCAGGAGAACCTGCTGGCTGTGGGCATCTTTGGGCTGTGCACGGCGCTGGTG  
 CAGATCCTGGGCCTGACCTTCGCCATGACCATGTACTGCCAAGTGGTCAAGGCAGACACC  
 TACTGCGCGTAGGCCGCCACCGCCCGCTTCTCTGCCAAAAGGACGCCACGGGGAGATG  
 GCCGCACCCACAGCTGCCTTTCCACCACCAGCCTCGGTGCTCTGCCCATGCTGGGAGG  
 AGGGAGGGAGGGACAGGTGCCTGGAGCCCCGGAACCTGTTTCTGGAAGGCCCTAGCTC  
 AGGTGGCTTCAGGGCTCCGGACCCCCCTGGGAGGGGTGGCCACGTGCTGGCTGCGGAA  
 CCCAGGGCAGGGGTGGGAGGGGCTCCAGCACTTTTATATTTACGTATTCTCCAAAGCA  
 GTGTTACACGGGAGCCAGCCTGTGGCCCCAGCCTCCTGGAACAAGTTGGCGTGGAA  
 GGAGCCGGGTCTTGGCATCCTGGAGGTGGCCCCACTGGTCTGGTGTCCAGGCGGGGCC  
 GTGGACCCTCACCTACATTCCATAGTGGGCCCGTGGGGCTCCTGGTGCATCTTAATAAA  
 GTGTGAGCAGCAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire



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<b>ACCN:</b>	NM_003271
<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_003271.4</a></u> , <u><a href="#">NP_003262.1</a></u>
<b>RefSeq Size:</b>	1429 bp
<b>RefSeq ORF:</b>	717 bp
<b>Locus ID:</b>	7106
<b>UniProt ID:</b>	<u><a href="#">O14817</a></u>
<b>Cytogenetics:</b>	11p15.5
<b>Domains:</b>	transmembrane4
<b>Protein Families:</b>	Transmembrane
<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 is a cell surface glycoprotein and is similar in sequence to its family member CD53 antigen. It is known to complex with integrins and other transmembrane 4 superfamily proteins. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR, compared to variant 1. Variants 1, 2, 3, 4, 5 and 6 encode the same isoform (a).</p>