

Product datasheet for **SC319241**

TSPAN31 (NM_005981) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSPAN31 (NM_005981) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSPAN31
Synonyms:	SAS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005981.3
 GGGGGGCTCGATTTAAAGAGACAGAAGCTGTGCGGGTCTGGAAGACGGTCCCCAATAC
 CCTCCCCCAAGTCTTGGGACCACTTGGGTCCCAGAGCTGGGAGATGGTTTGTGGCG
 GCTTTGCTGCTCCAAGAATGCGCTTTGCGCTCTCAACGTGGTCTACATGCTGGTGAGCT
 TGTTGCTCATTGGAGTGGCTGCTGGGGCAAGGGCCTGGGTCTGGTGTCCAGCATCCACA
 TCATCGGCGGAGTCATTGCTGTGGGAGTCTTCTTCTCCTTATTGCAGTGGCTGGACTGG
 TGGGTGCTGTCAACCACCACCAAGTCTGCTGTTCTTTTACATGATCATCCTTGGTTGG
 TCTTCATCTTCCAATTTGTAATCTCTTGCTCATGTCTGGCTATTAAACCGAAGCAAACAGA
 CAGATGTCATCAATGCTTCTTGGTGGGTCATGAGCAACAAGACTCGGGATGAACTGGAAA
 GAAGTTTTGATTGTTGTGGCTTATTCAACCTCACAAACCTGTATCAACAAGATTATGATT
 TCTGCACTGCAATCTGCAAGAGCCAGAGCCCCACATGCCAGATGTGTGGAGAAAAGTTTC
 TTAAGCATTAGACGAAGCCCTGAAAATCCTAGGGGTGTTGGACTCTTCTTTAGCTTTA
 CAGAGATCCTTGGTGTGGCTAGCAATGAGATTCGGAATCAGAAGGATCCTAGAGCCA
 ACCCCAGTGCCTTCTATGAGACTTTGGATCCTTCTGACTTTTCTTCTGCTCTCTCTAAG
 CTTTCTCTTCTCCCTTAGGGAATATCTAGGGTCTGTAACCGTTTGGTTTGAGAAAAAG
 GAAAGGCCCTTGTACATCCTCTAAAATTGATGGAATAGCAAGACTTTATGCCTTGACA
 TATTTTAGTGGGAGCCAGACTATAAGGAATAAAAGGAAAAAATTTCTTCTCTCTCTCCA
 AGAGGATATGGGAAGCTTCTGTGAGTGCATAGGATGGGGGCTGGAGTCATTCTTAGCTGT
 TTCCCTTCTCTGTCCATATACTGGATCACCTCAACATACCCTGGTGTGGCTCTAAGGGT
 AAATCAGGGATAGGGCCAAGGAGAAAAACAACCAAGAACTCTTCTGTAATAAGCAGGAT
 CCAGTTTGAGAAAGTTTAGCGAATATAAAAGTAAAGCCATTTAAAAATCTATATCTTT
 TTTTTTTTGACACAGAGTCTTGCTCTGTTGCCAGGCTGGAGTGCAATGGCATGATCTC
 GGCTCACCGCAACCTCTGCCTCCCGGTTCAAGCGATCCTCTGCCTCAGTCTCCCAAGT
 AGCTGGGATTACAGGTGTGCACCACCGCTGACTAATTTTGTATTTTGTAGTAGACA
 GGGTTTACCATGTTAGTCAGGCTGGTCTCGAACTCCTGACCTCAGGTGATCCACCCGCG
 TTGGCCTCCCAACGTGCTGGGATTATAGGCGTGAGCCACCACGCCCGCCTAAAAATCCAT
 ATTCAAAGAAGCATTTTCAGTTCCTTTCTAAGCTTTGTCAGTCAAGGGGCTCCACTGACT
 TCCTAGGCCCTGTAATTTAACCAGTCTTTAAGGTTTGCAGGAAAGTCCCTTCTTCCAAG
 TGGTTTTTCCAAATCGCACAATGGCAAAGCCAAACAGAGGAAGAAACATTAAAAA
 AAAAAAGACCATTA
 AA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_005981

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).

OTI Annotation: 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.

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:	<u>NM_005981.3, NP_005972.1</u>
RefSeq Size:	1749 bp
RefSeq ORF:	633 bp
Locus ID:	6302
UniProt ID:	<u>Q12999</u>
Cytogenetics:	12q14.1
Domains:	transmembrane4
Protein Families:	Druggable Genome, 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. This encoded protein is thought to be involved in growth-related cellular processes. This gene is associated with tumorigenesis and osteosarcoma. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) encodes the longest isoform (1).