

Product datasheet for **SC302378**

TSPAN4 (NM_001025239) Human Untagged Clone

Product data:

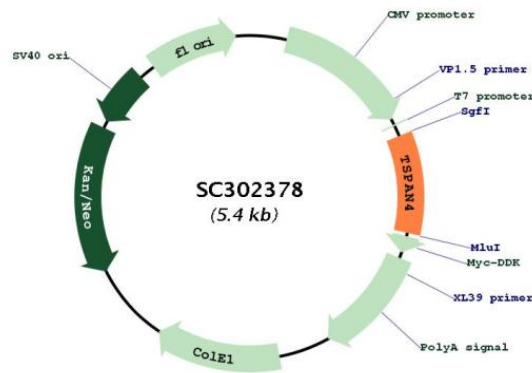
Product Type:	Expression Plasmids
Product Name:	TSPAN4 (NM_001025239) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSPAN4
Synonyms:	NAG-2; NAG2; TETRASPAN; TM4SF7; TSPAN-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302378 representing NM_001025239. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCCATCGGCTTCGTGGGCTGCCTGGGTGCCATCAAGGAGAACAAGTGCCTCCTGCTCACTTTCTTC
CTGCTGCTGCTGCTGGTGTTCCTGCTGGAGGCCACCATCGCCATCCTCTTCTCGCTACACGGACAAG
ATTGACAGGTATGCCAGCAAGACCTGAAGAAAGGCTTGCACCTGTACGGCACGCAGGGCAACGTGGGC
CTACCAACGCCTGGAGCATCATCCAGACCGACTCCGCTGCTGTGGCGTCTCCAACACTACTGACTGG
TTCGAGGTGTACAACGCCACGGGTACCTGACTCCTGCTGCTTGGAGTTCAGTGAGAGCTGTGGGCTG
CACGCCCCGGCACCTGGTGAAGGCGCGTGCTACGAGACGGTGAAGGTGTGGCTTCAGGAGAACCTG
CTGGCTGTGGGCATCTTTGGGCTGTGCACGGCGCTGGTGCAGATCCTGGGCTGACCTTCGCCATGACC
ATGTAAGTCCAAAGTGGTCAAGGCAGACCTACTGCGCGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001025239

Insert Size: 525 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).

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: [NM_001025239.1](#)

RefSeq Size: 1349 bp

RefSeq ORF: 525 bp

Locus ID: 7106

UniProt ID: [O14817](#)

Cytogenetics: 11p15.5

Protein Families: Transmembrane

MW: 19.4 kDa

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 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]
Transcript Variant: This variant (7) lacks an in-frame portion of the 5' coding region, compared to variant 1. The resulting isoform (b) has a shorter N-terminus when compared to isoform a.