

## **Product datasheet for SC302373**

## TSPAN4 (NM 001025234) Human Untagged Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** TSPAN4 (NM\_001025234) 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: >SC302373 representing NM\_001025234.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

GTCAAGGCAGACACCTACTGCGCGTAG

**ACGCGTACGCGGCCGCTC**GAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT

TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: Sgfl-Mlul



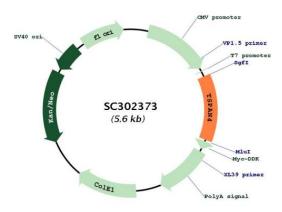
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## Plasmid Map:



**ACCN:** NM\_001025234

**Insert Size:** 717 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 001025234.1



## TSPAN4 (NM\_001025234) Human Untagged Clone - SC302373

RefSeq Size: 1443 bp
RefSeq ORF: 717 bp
Locus ID: 7106
UniProt ID: 014817
Cytogenetics: 11p15.5

**Protein Families:** Transmembrane

**MW:** 26.1 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 (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2, 3,

4, 5 and 6 encode the same isoform (a).