

## Product datasheet for **SC334558**

### TSPAN16 (NM\_001282510) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TSPAN16 (NM_001282510) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSPAN16
Synonyms:	TM-8; TM4-B; TM4SF16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282510, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGAAATCCACACTCCGTATTCTTCCTTGAAGAACTGTTATCTTTACTCAATGGCTTCGTGGCTG
TGTCTGGCATCATCCTAGTTGGCCTGGGCATTGGTGGTAAATGTGGAGGGCCTCTCGACGAATGTCT
CGGGCTGTCTCCGCATACCTCCTTCACGTTGGCAACCTGTGCCTGGTGATGGGATGCATCACGGTACTG
CTTGGCTGTGCCGGTGGTATGGAGCGACTAAAGAGAGCAGAGGCACGCTCTTGTGGAGATGTGG
CCTTGGAAACACACCTTCGTGACCCTGAGGAAGAATTACAGAGGTTACAACGAGCCAGACGACTATTCTAC
ACAGTGGAACTTGGTCATGGAGAAGCTAAAGTGCTGTGGGGTGAATAACTACACAGATTTTCTGGCTCT
TCCTTCGAAATGACAACGGGCCACACTACCCAGGAGTTGCTGTAATCCATCGGAAGTGTGCCTGTG
ACGGACGCGATGTGTCTCAAACGTATCCACCAGAAGGGCTGTTCCATAAACTCTAAAAATCACCAA
GACTCAGAGCTTACCCTGAGTGGGAGCTCTCTGGGAGCTGCAGTGATACAGTTGCCAGGAATTCTTGCC
ACTTTGCTGCTGTTTATCAAGCTGGGCTGA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001282510
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).
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).



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**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\\_001282510.1](#), [NP\\_001269439.1](#)

**RefSeq Size:** 970 bp

**RefSeq ORF:** 660 bp

**Locus ID:** 26526

**UniProt ID:** [Q9UKR8](#)

**Cytogenetics:** 19p13.2

**Protein Families:** 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 might couple to signal transduction pathways and possibly modulate cellular activation and adhesion in haemopoietic and neural tissue. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]

Transcript Variant: This variant (3) differs in the 3' UTR and coding sequence and lacks an alternate in-frame exon compared to variant 1. The resulting isoform (3) has a shorter and distinct C-terminus and lacks an alternate internal segment compared to isoform 1.