

## Product datasheet for **SC322851**

### TSPAN14 (NM\_001128309) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TSPAN14 (NM_001128309) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSPAN14
Synonyms:	DC-TM4F2; TM4SF14; tspan-14
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001128309, the custom clone sequence may differ by one or more nucleotides ATGCACTATTATAGATACTCTAACGCCAAGGTCAGCTGCTGGTACAAGTACCTCCTTTTC AGCTACAACATCATCTTCTGGAACCAAGTGTGGCGCATATGGCCCTGAAGACTGGGAC CTCAACGTCTACTTCAATTGCAGCGGTGCCAGCTACAGCCGAGAGAAGTGCGGGGTCCCC TTCTCCTGCTGCGTGCCAGATCCTGCGCAAAAAGTTGTGAACACACAGTGTGGATATGAT GTCAGGATTCAGCTGAAGAGCAAGTGGGATGAGTCCATCTTCACGAAAGGCTGCATCCAG GCGCTGGAAAGCTGGCTCCCGCGGAACATTTACATTGTGGCTGGCGTCTTCATCGCCATC TCGCTGTTGCAGATATTTGGCATCTTCTGGCAAGGACGCTGATCTCAGACATCGAGGCA GTGAAGGCCGGCCATCACTTC
Restriction Sites:	Please inquire
ACCN:	NM_001128309
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).



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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\\_001128309.1](#), [NP\\_001121781.1](#)

**RefSeq Size:** 5210 bp

**RefSeq ORF:** 444 bp

**Locus ID:** 81619

**UniProt ID:** [Q8NG11](#)

**Cytogenetics:** 10q23.1

**Protein Families:** Transmembrane

**Gene Summary:** Regulates maturation and trafficking of the transmembrane metalloprotease ADAM10 (PubMed:26668317, PubMed:23035126, PubMed:26686862). Negatively regulates ADAM10-mediated cleavage of GP6 (By similarity). Promotes ADAM10-mediated cleavage of CDH5 (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) lacks multiple in-frame exons in the 5' coding region, compared to variant 1, which results in a shorter protein (isoform 2), compared to isoform 1.