

## Product datasheet for **RG203549**

### TSPAN1 (NM\_005727) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TSPAN1 (NM\_005727) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TSPAN1  
**Synonyms:** NET1; TM4C; TM4SF  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG203549 representing NM\_005727  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGTGCTTCAGCTTCATTAAGACCATGATGATCCTCTTCAATTTGCTCATCTTTCTGTGTGGTGCAG  
CCCTGTTGGCAGTGGGCATCTGGGTGTCAATCGATGGGGCATCCTTTCTGAAGATCTTCGGGCCACTGTC  
GTCCAGTGCCATGCAGTTTGTCAACGTGGGCTACTTCTCATCGCAGCCGGCGTTGTGGTCTTTGCTCTT  
GGTTTCCTGGGCTGCTATGGTGTAAGACTGAGAGCAAGTGTGCCCTCGTGACGTTCTTCTCATCTCC  
TCCTCATCTTCATTGCTGAGGTTGCAGCTGCTGTGGTCGCCTTGGTGTACACCACAATGGCTGAGCACTT  
CCTGACGTTGCTGGTAGTGCCTGCCATCAAGAAAGATTATGGTTCCAGGAAGACTTCACTCAAGTGTGG  
AACACCACCATGAAAGGGCTCAAGTGCTGTGGCTTCAACCACTATACGGATTTTGAGGACTCACCTACT  
TCAAAGAGAACAGTGCCTTTCCCCATTCTGTTGCAATGACAACGTCACCAACACAGCCAATGAAACCTG  
CACCAAGCAAAAGGCTCACGACCAAAAAGTAGAGGGTTGCTTCAATCAGCTTTTGTATGACATCCGAACT  
AATGCAGTCACCGTGGTGGTGTGGCAGCTGGAATTGGGGCCTCGAGCTGGCTGCCATGATTGTGTCCA  
TGTATCTGTACTGCAATCTACAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG203549 representing NM\_005727  
 Red=Cloning site Green=Tags(s)

MQCFSEIKTMMILFNLLIFLCGAALLAVGIWVSIDGASFLKIFGPLSSSAMQFVNVGYFLIAAGVVVFAL  
 GFLGCGYGAKTESKCALVTFEILLIFIAEVAAAVVALVYTTMAEHFLTLLVVPAAIKKDYGSQEDFTQVW  
 NTTMKGLKCCGFNTYDFEDSPYFKENSAFPPFCNDNVTNTANETCTKQKAHDQKVEGCFNQLLYDIRT  
 NAVTVGGVAAGIGGLELAAMIVSMYLYCNLQ

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_005727

**ORF Size:** 723 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_005727.4](#)

**RefSeq Size:** 1297 bp

**RefSeq ORF:** 726 bp

**Locus ID:** 10103

**UniProt ID:** [O60635](#)

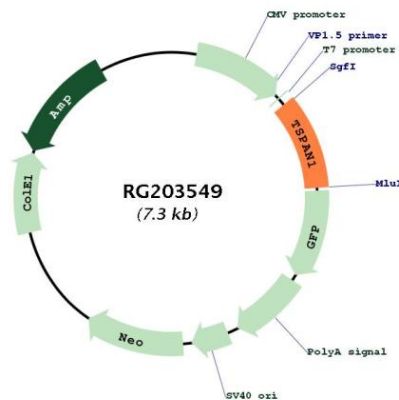
**Cytogenetics:** 1p34.1

**Domains:** transmembrane4

**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. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RG203549