

## Product datasheet for **RG236138**

### TSPAN6 (NM\_001278741) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TSPAN6 (NM\_001278741) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TSPAN6  
**Synonyms:** T245; TM4SF6; TSPAN-6  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG236138 representing NM\_001278741.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTAAAACGTATGCAATGTTTCTGACTCTCGTTTTTTTGGTGAAGTGGTCGCTGCCATCGTAGGA
TTTGTTCAGACATGAGATTAAGAACAGCTTTAAGAATAATTATGAGAAGGCTTTGAAGCAGTATAAC
TCTACAGGAGATTATAGAAGCCATGCAGTAGACAAGATCCAAAATACGTTGCATTGTTGGTGTCCACC
GATTATAGAGATTGGACAGATACTAATTACTCAGAAAAGGATTTCTAAGAGTTGCTGTAACCTT
GAAGATTGTACTCCAGAGAGATGCAGACAAAGTAAACAATGAAGGTTGTTTTATAAAGGTGATGACC
ATTATAGAGTCAGAAATGGGAGTCGTTGCAGGAATTTCTTTGGAGTTGCTTGCTCCAAGTATGAGATGGA
ATCTTTCTCGCCTACTGCCTCTCTCGTGCCATAACAAATAACCAGTATGAGATAGTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG236138  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MLKLYAMFLTLVFLVELVAAIVGFVFRHEIKNSFKNNYEKALKQYNSTG DYRSHAVDKIQNTLHCCGVT
DYRDWTDNYYSEKGFPKSCCKLEDCTPQRDADKVNNEGCFIKVMTIIESEMGGVAGISFGVACFLIG
IFLAYCLSRITNNQYEIV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001278741

**ORF Size:** 471 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).

**RefSeq:** [NM\\_001278741.1](#), [NP\\_001265670.1](#)

**RefSeq Size:** 3895 bp

**RefSeq ORF:** 474 bp

**Locus ID:** 7105

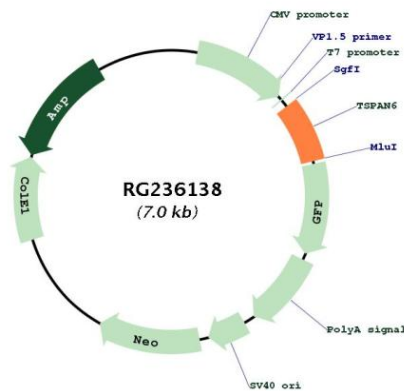
**Cytogenetics:** Xq22.1

**Protein Families:** Transmembrane

**MW:** 18.3 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. The protein encoded by this gene is a cell surface glycoprotein and is highly similar in sequence to the transmembrane 4 superfamily member 2 protein. It functions as a negative regulator of retinoic acid-inducible gene I-like receptor-mediated immune signaling via its interaction with the mitochondrial antiviral signaling-centered signalosome. This gene uses alternative polyadenylation sites, and multiple transcript variants result from alternative splicing. [provided by RefSeq, Jul 2013]

**Product images:**


Circular map for RG236138