

Product datasheet for **RG235873**

TSPAN6 (NM_001278743) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TSPAN6 (NM_001278743) 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: >RG235873 representing NM_001278743.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTAAAACTGTATGCAATGTTTCTGACTCTCGTTTTTTTGGTGAAGTGGTCGCTGCCATCGTAGGA
TTTGTTCAGACATGAGATTAAGAACAGCTTTAAGAATAATTATGAGAAGGCTTTGAAGCAGTATAAC
TCTACAGGAGATTATAGAAGCCATGCAGTAGACAAGATCCAAAATACGTTGCATTGTTGGTGTCCACC
GATTATAGAGATTGGACAGATACTAATTACTCAGAAAAGGATTTCTAAGAGTTGCTGTAACCTT
GAAGATTGTAAGACAGAGAGATGCAGACAAAGTAAACAATGAAGTATTGGAATCTTTCTCGCCTAC
TGCCTCTCTCGTCCATAACAAATAACCGATATGAGATAGTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235873
Blue=ORF Red=Cloning site Green=Tag(s)

```
MLKLYAMFLTLVFLVELVAAIVGVFVRHEIKNSFKNNYEKALKQYNSTGDYRSHAVDKIQNTLHCCGVT
DYRDWTDNYYSEKGFPSCKLEDCTPQRDADKVNNELIGIFLAYCLSRAITNNQYEIV
RTRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001278743

ORF Size: 387 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_001278743.1](#), [NP_001265672.1](#)

RefSeq Size: 3811 bp

RefSeq ORF: 390 bp

Locus ID: 7105

UniProt ID: [O43657](#)

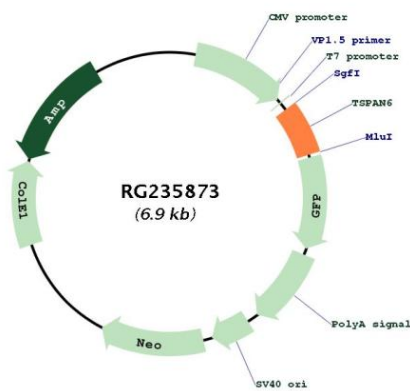
Cytogenetics: Xq22.1

Protein Families: Transmembrane

MW: 15.4 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 RG235873