

## Product datasheet for **RG203876**

### TSPAN3 (NM\_005724) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TSPAN3 (NM\_005724) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TSPAN3  
**Synonyms:** TM4-A; TM4SF8; TSPAN-3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG203876 representing NM\_005724  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCCAGTGCGGCATCACCTCCTCCAAGACCGTGTGGTCTTTCTCAACCTCATCTTCTGGGGGCAG  
CTGGCATTATGCTATGTGGGAGCCTATGTCTTCATCACTTATGATGACTATGACCACTCTTTGAAGA  
TGTGTACAGCTCATCCCTGCTGTAGTGATCATAGCTGTAGGAGCCCTGCTTTTCATATTGGGCTAATT  
GGCTGCTGTGCCACAATCCGGGAAAGTCGCTGTGGACTTGCCACGTTTGTATCATCTCTGCTCTGGTTT  
TTGTCACAGAAGTTGTTGTAGTGGTTTTGGGATATGTTTACAGAGCAAAGGTGGAAAATGAGGTTGATCG  
CAGCATTAGAAAAGTGTATAAGACCTACAATGGAACCAACCCTGATGCTGCTAGCCGGGCTATTGATTAT  
GTACAGAGACAGCTGCATTGTTGTGGAATTCACAACTACTCAGACTGGGAAAATACAGATTGGTTCAAAG  
AAACCAAAAACCAGAGTGTCCCTCTTAGCTGCTGCAGAGAGACTGCCAGCAATTGTAATGGCAGCCTGGC  
CCACCTTCCGACCTCTATGCTGAGGGGTGTGAGGCTCTAGTAGTGAAGAAGCTACAAGAAATCATGATG  
CATGTGATCTGGGCCGACTGGCATTGTCAGCTATTCAGCTGCTGGGCATGCTGTGTGCTTGCATCGTGT  
TGTGCAGAAGGAGTAGAGATCCTGCTTACGAGCTCCTCATCACTGGCGGAACCTATGCA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG203876 representing NM\_005724  
Red=Cloning site Green=Tags(s)

MGQCGITSSKTVLVFLNLIWGAAGILCYVGAYVFITYDDYDHFEDVYTLIPAVVIIAVGALLFIIGLI  
 GCCATIRESRCGLATFVILLVVFVTEVVVVVLGYVYRAKVENEVDRSIQKVKYKTYNGTNPDAASRAIDY  
 VQRQLHCCGIHNYSDWENTDFWKETKNQSVPLSSECRETASNCNGSLAHPSDLYAEGCEALVVKKLQEIMM  
 HVIWAALAFAAIQLLGMLCACIVLCRRSRDPAYELLITGGTYA

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2741\\_a02.zip](https://cdn.origene.com/chromatograms/ja2741_a02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_005724

**ORF Size:** 759 bp

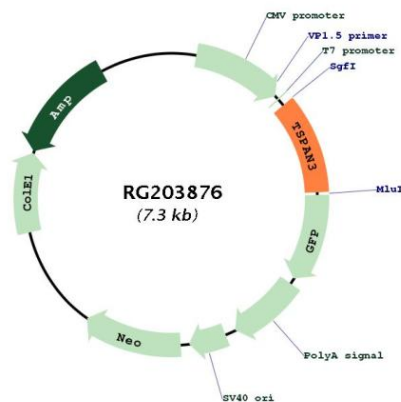
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_005724.6</a></u>
<b>RefSeq Size:</b>	1842 bp
<b>RefSeq ORF:</b>	762 bp
<b>Locus ID:</b>	10099
<b>UniProt ID:</b>	<u><a href="#">O60637</a></u>
<b>Cytogenetics:</b>	15q24.3
<b>Domains:</b>	transmembrane4
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	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 use of alternate polyadenylation sites has been found for this gene. Multiple alternative transcripts encoding different isoforms have been described. [provided by RefSeq, Dec 2009]

### Product images:



Circular map for RG203876