

Product datasheet for **RG223157**

TSPAN3 (NM_198902) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSPAN3 (NM_198902) 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:	>RG223157 representing NM_198902 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCCAGTGCGGCATCACCTCCTCCAAGACCGTGTGGTCTTTCTCAACCTCATCTTCTGGGGGCGAG
CTGGCATTATGCTATGTGGGAGCCTATGTCTTCATCACTTATGATGACTATGACCACTTCTTTGAAGA
TGTGTACAGCTCATCCCTGCTGTAGTGATCATAGCTGTAGGAGCCCTGCTTTTCATATTGGGCTAATT
GGCTGCTGTGCCACAATCCGGGAAAGTCGCTGTGGACTTGCCACGGTGGAAAATGAGGTTGATCGCAGCA
TTCAGAAAAGTGATAAGACCTACAATGGAACCAACCTGATGCTGCTAGCCGGGCTATTGATTATGTACA
GAGACAGCTGCATTGTTGTGGAATTCACAACTACTCAGACTGGGAAAATACAGATTGGTTCAAAGAAACC
AAAAACCAGAGTGTCCCTCTTAGCTGCTGAGAGAGACTGCCAGCAATTGTAATGGCAGCCTGGCCACC
CTTCCGACCTCTATGCTGAGGGGTGTGAGGCTCTAGTAGTGAAGAAGCTACAAGAAATCATGATGCATGT
GATCTGGGCCGCACTGGCATTTCAGCTATTCAGCTGCTGGGCATGCTGTGTGCTTGATCGTGTGTCG
AGAAGGAGTAGAGATCCTGCTTACGAGCTCCTCATCACTGGCGGAACCTATGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG223157 representing NM_198902
 Red=Cloning site Green=Tags(s)

MGQCGITSSKTVLVFLNLIWGAAGILCYVGAYVFITYDDYDHFEDVYTLIPAVVIIAVGALLFIIGLI
 GCCATIRESRCGLATVENEVDRSIQKVYKTYNGTNPDAASRAIDYVQRQLHCCGIHNSDWENTDWFKET
 KNQSVPLSCCRETASNCNGSLAHPSDLYAEGCEALVVKLQEIIMHVIWAALAFAAIQLLGMLCACIVLC
 RRSRDPAYELLITGGTYA

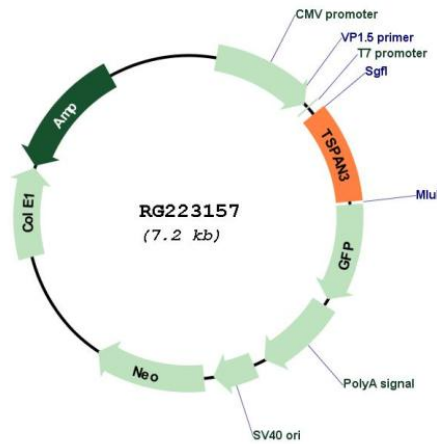
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_198902

ORF Size: 684 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:	<ol style="list-style-type: none">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_198902.3
RefSeq Size:	3796 bp
RefSeq ORF:	687 bp
Locus ID:	10099
UniProt ID:	O60637
Cytogenetics:	15q24.3
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. 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]