

Product datasheet for **RC223157**

TSPAN3 (NM_198902) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSPAN3 (NM_198902) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TSPAN3
Synonyms:	TM4-A; TM4SF8; TSPAN-3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC223157 representing NM_198902 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCCAGTGC GGCCATCACCTCCTCCAAGACCGTGTGGTCTTTCTCAACCTCATCTTCTGGGGGCGAG
CTGGCATTATGCTATGTGGGAGCCTATGTCTTCATCACTTATGATGACTATGACCACTCTTTGAAGA
TGTGTACACGCTCATCCCTGCTGTAGTGATCATAGCTGTAGGAGCCCTGCTTTTCATCATTGGGCTAATT
GGCTGCTGTGCCACAATCCGGGAAAGTCGCTGTGGACTTGCCACGGTGGAAAATGAGGTTGATCGCAGCA
TTCAGAAAGTGTATAAGACCTACAATGGAACCAACCTGATGCTGCTAGCCGGGCTATTGATTATGTACA
GAGACAGCTGCATTGTTGTGGAATTCACAACTACTCAGACTGGGAAAATACAGATTGGTTCAAAGAAACC
AAAAACCAGAGTGTCCCTCTTAGCTGCTGCAGAGAGACTGCCAGCAATTGTAATGGCAGCCTGGCCACC
CTTCCGACCTCTATGCTGAGGGGTGTGAGGCTCTAGTAGTGAAGAAGCTACAAGAAATCATGATGCATGT
GATCTGGCCGCACTGGCATTTCAGCTATTCAGCTGCTGGGCATGCTGTGTGCTTGCATCGTGTGTGTC
AGAAGGAGTAGAGATCCTGCTTACGAGCTCCTCATCACTGGCGGAACCTATGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC223157 representing NM_198902
 Red=Cloning site Green=Tags(s)

MGQCGITSSKTVLVFLNLIWGAAGILCYVGAYVFITYDDYDHFEDVYTLIPAVVIIAVGALLFIIGLI
 GCCATIRESRCGLATVENEVDRSIQKVYKTYNGTNPDAASRAIDYVQRQLHCCGIHNSYDWDWFKET
 KNQSVPLSCCRETASNCNGSLAHPSDLYAEGCEALVVKKLQEIMMHVIWAALFAAIQLLGMCLCACIVLC
 RRSRDPAYELLITGGTYA

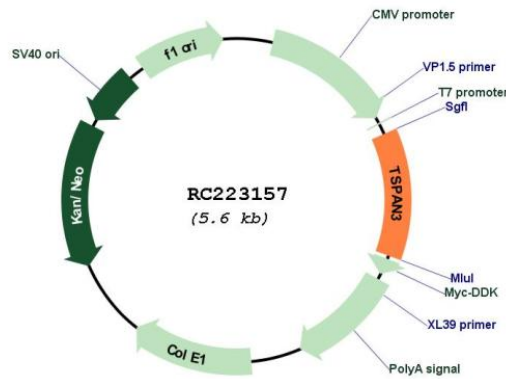
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-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
MW:	25.2 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 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]