

Specifications:

Gene:	mTspan8
Accession:	NP_666122
Insert size:	721bp
Concentration:	10µg at 0.2µg/µL

mTSPAN8 cDNA Plasmid

Tspan8 tetraspanin 8 [*Mus musculus* (house mouse)]

Also known as: C76990; Tm4sf3

Summary:

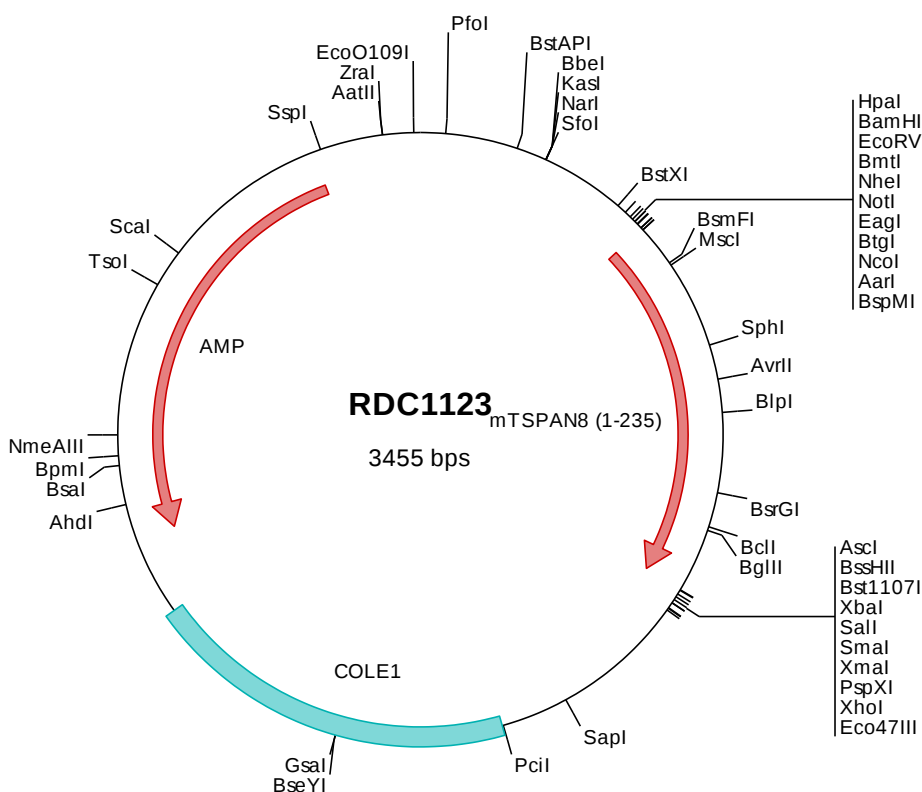
TSPAN8 is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. TSPAN8 is expressed in gastric, colon, rectal, and pancreatic carcinomas. The use of alternate polyadenylation sites has been found for this gene. TSPAN8 is a cell surface glycoprotein that is known to complex with integrins.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.





> RDC1123 Plasmid DNA Sequence

```
1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgccagggt tttcccagtc acgacgttgc aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagcct ggatccgata tcgctagcgc ggccgcacac atggcaggtg tgagcagctg tttaaagtat tctatgtttt tcttcaactt
501  cttgttctgg gtatgtggta cactgatott gggactggcc atatgggtga gagtaagcaa agatggaaaa gagatcoatc cgtcaggaga ctctagcaacg
601  aaccocctca ttgtgtgtaa tatottgatt gcagttgggt ctatcatcat ggttctaggt ttcttgggat gctgtggagc tgtgaaagaa agccggtgca
701  tgctttctct gttttttatc ggcttgcctg tgattctgat totgcaagtg gcagcaggca tcttaggagc cgctttcaaa cctgagtata accgaattct
801  gaatgaaacg ctatatgaaa atgctaagct tctgtcggac aacactgatg aggcacaaaga cttccagaag gccatgattg tgtttcagtc ggaagtcaag
901  tgctgtggct tggagaatgg agctgcgcac tggggaataa attttgtgga ggcaaaagag tcatgtcaat gtacaggaaac tgactgtgca acttatcagg
1001 ggagttcctg ttaccocaaag acctgtcttt ctttgatcaa agatctgttt gaaaagaaca ttattattgt catttggaatt gcttttggac tggccgttat
1101 tgagattctc ggtttgggtt tttotatggt gctatactgc cagattggaa gcaagtaaaag gcgcgcagc agt atactctaga gtcgacaccc ggggaattcc
1201  tcgagcgcct gtctctagct tggcgtaatc atggtcatag ctgtttctct tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc
1301  ataaagtgta aagcctgggg tgccaatga gtgagctaac tcacattaat tgcgttgccg tcaactgccg ctttccagtc gggaaacctg tcgtgccagc
1401  tgcattaatg aatcggccaa cgcgcgggga gaggcgggtt cgcgtattgg cgtcttccg cttcctcgct cactgactcg ctgcgctcgg tcgttcggct
1501  gcgcgcagcg gtatcagctc actcaaaagg ggaataacgg ttatccacag aatcagggga taacgcagga aagaacatgt gagcaaaagg ccagcaaaag
1601  gccaggaacc gtaaaaaggc cgcgttgcct gcgtttttcc ataggtcccg ccccccgtac gagcatcaca aaaatcgacg ctcaagtcag aggtggcgaa
1701  acccgacagg actataaaga taccaggcgt ttccccctgg aagctccctc gtgcgctctc cgtgtccgac cctgcgcgtt accggatacc tgtccgcctt
1801  tctccctcgc ggaagcgttg cgttttctca atgctcacgc tgtaggtatc tcagttcgtt gttagtctgt cgctccaaagc tgggctgtgt gacgaacccc
1901  cccgttcagc ccgaccgctg cgccttatcc ggtaactatc gtcttgagtc caaccgggta agacacgact tatcgccact ggcagcagcc actggtaaca
2001  ggattagcag agcgaggtat gtaggcgggt ctacagagtt cttgaagtgg tggcctaact acggctacac tagaaggaca gtatttggtg tctgcgctct
2101  gctgaagcca gttaccttcg gaaaaagagt tggtagctct tgatccggca acaaaaccac cgtcgttagc ggtgggtttt ttgtttgcaa gcagcagatt
2201  acgcgcagaa aaaaaggatc tcaagaagat cctttgatct tttctacggg gtctgacgct cagtggaaag aaaactcacg ttaagggatt ttggtcatga
2301  gattatcaaa aaggatcttc acctagatcc ttttaaatta aaaatgaagt tttaaatcaa tctaaagtat atatgagtaa acttggctgt acagttacca
2401  atgcttaatc agtgaggcac ctatctcagc gatctgtcta tttcgttcat ccatagttgc ctgactcccc gtcgtgtaga taactacgat acgggagggc
2501  ttaccatctg gccccagtcg tgcaatgata ccgcgagacc cacgctcacc ggctccagat ttatcagcaa taaaccagcc agccggaagg gccgagcgca
2601  gaagtgggcc tgcaacttta tccgcctcca tccagtcctat taattgttgc cgggaagcta gagtaagtag ttcgccagtt aatagtttgc gcaacgttgt
2701  tgccattgct acaggcatcg ttgtgtcagc ctogtcgttt ggtatggctt cattcagctc cgttcccaa cgatcaaggc gagttacatg atcccccatg
2801  ttgtgcaaaa aagcggttag ctccctcggg cctccgatcg ttgtcagaag taagttggcc gcagtggtat cactcatggt tatggcagca ctgcataatt
2901  ctcttactgt catgccatcc gtaagatgct tttctgtgac tggtagtac tcaaccaagt cattctgaga atagtgtatg cggcgaccga gttgctcttg
3001  cccggcgtca ataccgggata ataccgcgcc acatagcaga actttaaaag tgctcatcat tggaaaaagc tcttcggggc gaaaaactct aaggatctta
3101  ccgctgttga gatccagttc gatgtaaccc actcgtgcac ccaactgatc ttcagcatct tttactttca ccagcgtttc tgggtgagca aaaacaggaa
3201  ggcaaaatgc cgcaaaaaag ggaataaggg cgacacggaa atgttgaata ctcatactct tcctttttca atattattga agcatttatc agggttattg
3301  tctcatgagc ggatacatat ttgaatgtat ttgaaaaaat aaacaaatag gggttccgcg cacattttcc cgaaaagtgc cacctgacgt ctaagaaacc
3401  attattatca tgacattaac ctataaaaaat aggcgtatca cgaggccctt tcgtc
```

> RDC1123 Translated Insert Sequence

```
1   magvssclky smfffnflfw vcgtlilgla iwrvskdkg eiitsgdsst npfiavnili avgsiimvlg flgccgavke srcmlllffi glllililqv
101  aagilgaafk peynrilnet lyenakllsd ntdeakdfqk amivfqsefk ccglengaad wgnnfveake scqctgtdea tyqgssvypk tclslidkdf
201  ekniivigi afglavieil glvfsmvlyc qigsk
```