*h*TSPAN1 VersaClone cDNA

Catalog Number: RDC0190

Specifications:

Gene:	*h*TSPAN1
Accession:	NP_005718
Insert size:	738bp
Concentration:	10µg at 0.2µg/µL

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

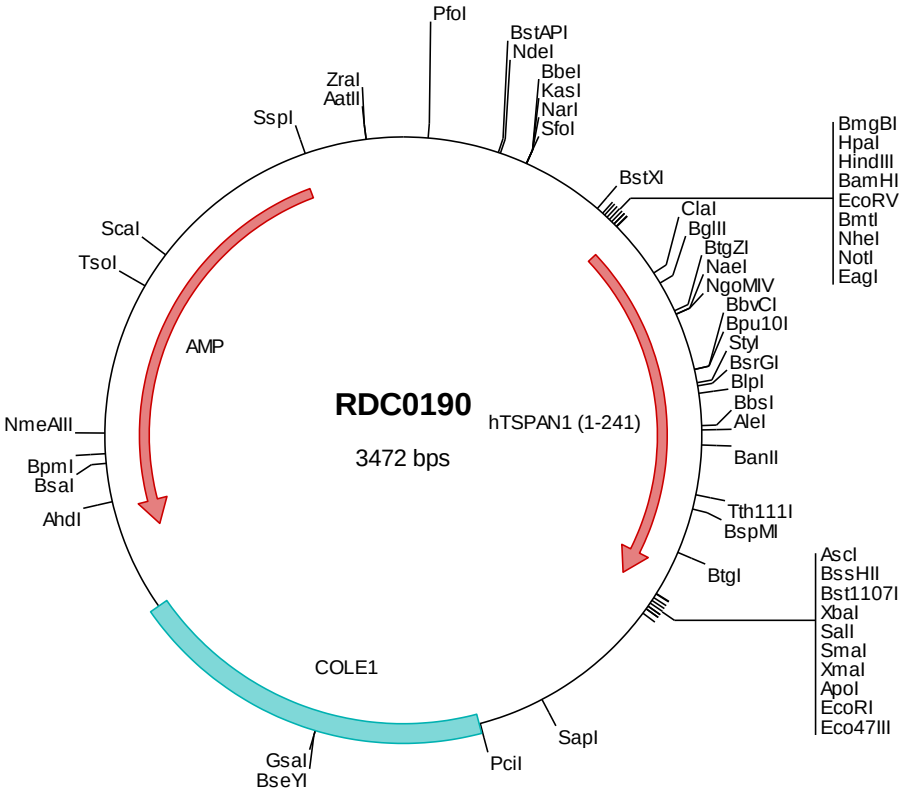
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*TSPAN1 cDNA Plasmid

TSPAN1 tetraspanin 1 [*Homo sapiens*]

Also known as: NET1; TM4C; TM4SF

Summary:
TSPAN1 belongs to the large family of tetraspanins, so named because they contain 4 transmembrane domains. TSPAN1 is expressed in colon, endometrium, pancreas, normal and neoplastic prostate, and pregnant uterus. Tetraspanins are frequently expressed at the cell surface in association with each other and with other molecules, such as integrins, and they function to regulate cell adhesion, migration, proliferation, and differentiation. RNAi-mediated downregulation of TSPAN1 expression significantly inhibits the proliferation and invasion of colon cancer cells in vitro. This finding suggests that TSPAN1 plays an important role in colon cancer progression.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0190 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgcagtgct tcagcttcat taagaccatg atgatcctct tcaatttgct
 501  catctttctg tgtggtgcag ccctgttggc agtgggcatc tgggtgtcaa tcgatggggc atcctttctg aagatcttcg ggccactgtc gtccagtgcc
 601  atgcagtttg tcaacgtggg ctacttcctc atcgcagccg gcgttgtggt ctttgctctt ggtttcctgg gctgctatgg tgctaagact gagagcaagt
 701  gtgccctcgt gacgttcttc ttcatcctcc tcctcatctt cattgctgag gttgcagctg ctgtggtcgc cttggtgtac accacaatgg ctgagcactt
 801  cctgacgttg ctggtagtgc ctgccatcaa gaaagattat ggttcccagg aagacttcac tcaagtgtgg aacaccacca tgaaagggct caagtgctgt
 901  ggcttcacca actatacgga ttttgaggac tcaccctact tcaaagagaa cagtgccttt cccccattct gttgcaatga caacgtcacc aacacagcca
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1101  tgtggcagct ggaattgggg gcctcgagct ggctgccatg attgtgtcca tgtatctgta ctgcaatcta caataaggcg cgccagtata ctctagagtc
1201  gacacccggg gaattcctcg agcgctcgtc tctagcttgg cgtaatcatg gtcatagctg tttcctgtgt gaaattgtta tccgctcaca attccacaca
1301  acatacgagc cggaagcata aagtgtaaag cctggggtgc ctaatgagtg agctaactca cattaattgc gttgcgctca ctgcccgctt tccagtcggg
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1801  ggatacctgt ccgcctttct cccttcggga agcgtggcgc tttctcaatg ctcacgctgt aggtatctca gttcggtgta ggtcgttcgc tccaagctgg
1901  gctgtgtgca cgaaccccc gttcagcccg accgctgcgc cttatccggt aactatcgtc ttgagtccaa cccggtaaga cacgacttat cgccactggc
2001  agcagccact ggtaacagga ttagcagagc gaggtatgta ggcggtgcta cagagttctt gaagtggtgg cctaactacg gctacactag aaggacagta
2101  tttggtatct gcgctctgct gaagccagtt accttcggaa aaagagttgg tagctcttga tccggcaaac aaaccaccgc tggtagcggt ggtttttttg
2201  tttgcaagca gcagattacg cgcagaaaaa aaggatctca agaagatcct ttgatctttt ctacggggtc tgacgctcag tggaacgaaa actcacgtta
2301  agggattttg gtcatgagat tatcaaaaag gatcttcacc tagatccttt taaattaaaa atgaagtttt aaatcaatct aaagtatata tgagtaaact
2401  tggtctgaca gttaccaatg cttaatcagt gaggcaccta tctcagcgat ctgtctattt cgttcatcca tagttgcctg actccccgtc gtgtagataa
2501  ctacgatacg ggagggctta ccatctggcc ccagtgctgc aatgataccg cgagacccac gctcaccggc tccagattta tcagcaataa accagccagc
2601  cggaagggcc gagcgcagaa gtggtcctgc aactttatcc gcctccatcc agtctattaa ttgttgccgg gaagctagag taagtagttc gccagttaat
2701  agtttgcgca acgttgttgc cattgctaca ggcatcgtgg tgtcacgctc gtcgtttggt atggcttcat tcagctccgg ttcccaacga tcaaggcgag
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3101  aactctcaag gatcttaccg ctgttgagat ccagttcgat gtaacccact cgtgcaccca actgatcttc agcatctttt actttcacca gcgtttctgg
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> RDC0190 Translated Insert Sequence

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201  fnqllydirt navtvggvaa gigglelaam ivsmylycnl q
```