*h*TSPAN31 VersaClone cDNA

Catalog Number: RDC2423

Specifications:

Gene:	*h*TSPAN31
Accession:	NP_005972
Insert size:	646bp
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

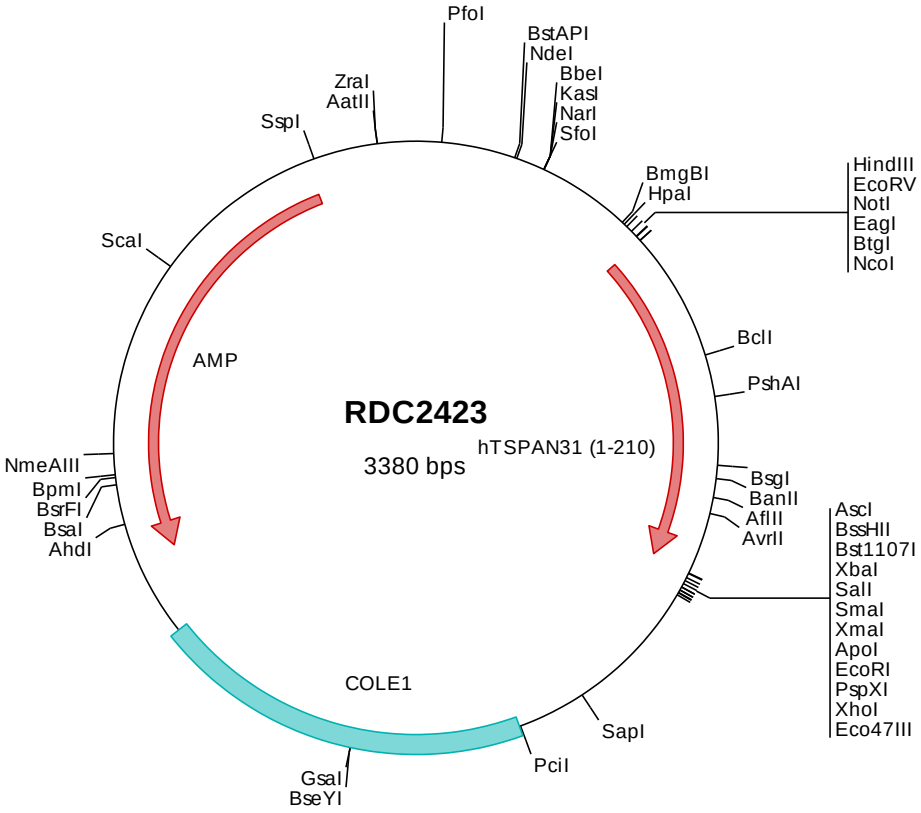
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*TSPAN31 cDNA Plasmid

TSPAN31 tetraspanin 31 [*Homo sapiens* (human)]

Also known as: SAS

Summary:
TSPAN31 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. TSPAN31 is thought to be involved in growth-related cellular processes. TSPAN31 is associated with tumorigenesis and osteosarcoma.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2423 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 atggtttgtg gcggctttgc ctgctccaag aatgcgcttt gcgctctcaa
 501  cgtggtctac atgctggtga gcttgttgct cattggagtg gctgcttggg gcaagggcct gggtctggtg tccagcatcc acatcatcgg cggagtcatt
 601  gctgtgggag tcttccttct ccttattgca gtggctggac tggtgggtgc tgtcaaccac caccaagtcc tgctgttctt ttacatgatc atccttggtt
 701  tggtcttcat cttccaattt gtaatctctt gctcatgtct ggctattaac cgaagcaaac agacagatgt catcaatgct tcttggtggg tcatgagcaa
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1201  tccacacaac atacgagccg gaagcataaa gtgtaaagcc tggggtgcct aatgagtgag ctaactcaca ttaattgcgt tgcgctcact gcccgctttc
1301  cagtcgggaa acctgtcgtg ccagctgcat taatgaatcg gccaacgcgc ggggagaggc ggtttgcgta ttgggcgctc ttccgcttcc tcgctcactg
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1601  cgacgctcaa gtcagaggtg gcgaaacccg acaggactat aaagatacca ggcgtttccc cctggaagct ccctcgtgcg ctctcctgtt ccgaccctgc
1701  cgcttaccgg atacctgtcc gcctttctcc cttcgggaag cgtggcgctt tctcaatgct cacgctgtag gtatctcagt tcggtgtagg tcgttcgctc
1801  caagctgggc tgtgtgcacg aaccccccgt tcagcccgac cgctgcgcct tatccggtaa ctatcgtctt gagtccaacc cggtaagaca cgacttatcg
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2301  agtaaacttg gtctgacagt taccaatgct taatcagtga ggcacctatc tcagcgatct gtctatttcg ttcatccata gttgcctgac tccccgtcgt
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2801  atggttatgg cagcactgca taattctctt actgtcatgc catccgtaag atgcttttct gtgactggtg agtactcaac caagtcattc tgagaatagt
2901  gtatgcggcg accgagttgc tcttgcccgg cgtcaatacg ggataatacc gcgccacata gcagaacttt aaaagtgctc atcattggaa aacgttcttc
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3101  gtttctgggt gagcaaaaac aggaaggcaa aatgccgcaa aaaagggaat aagggcgaca cggaaatgtt gaatactcat actcttcctt tttcaatatt
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> RDC2423 Translated Insert Sequence

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201  dpranpsafl
```