

Specifications:

| | |
|----------------|------------------|
| Gene: | mVcan |
| Accession: | NP_001127947.1 |
| Insert size: | 1981bp |
| 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

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|-------------|---|
| 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. |

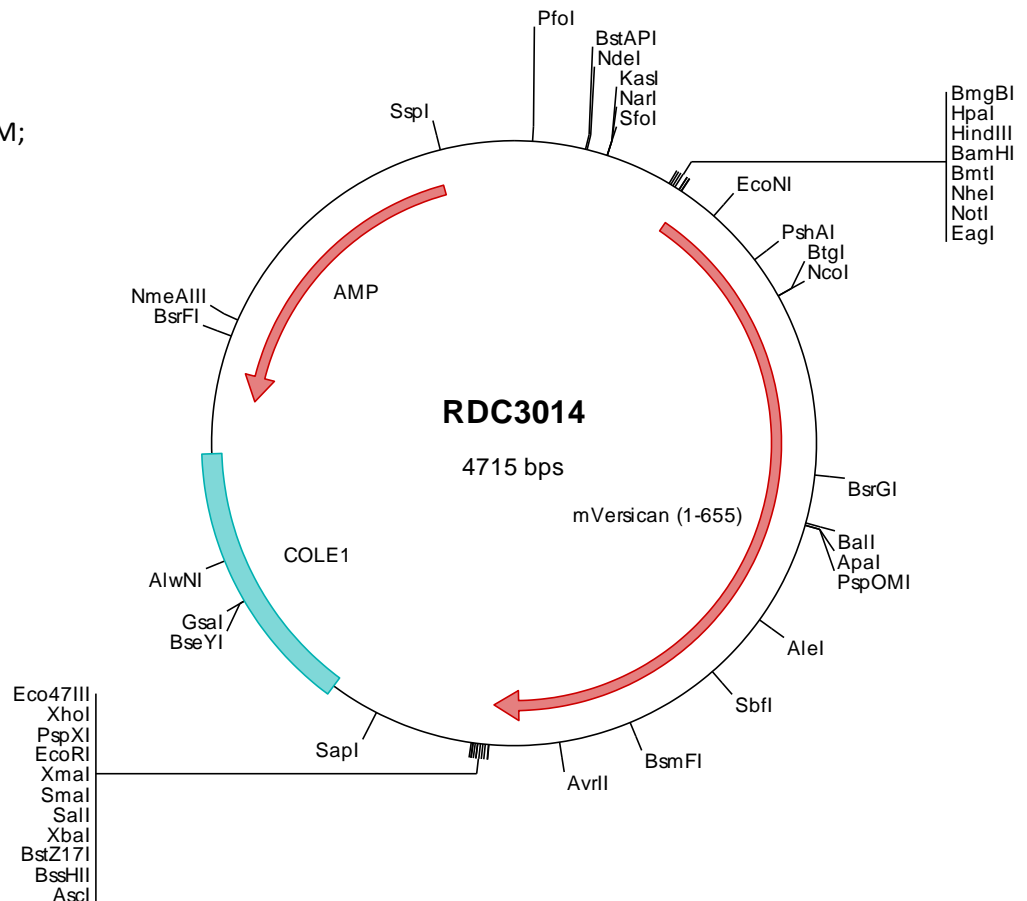
mVersican cDNA Plasmid

Vcan versican [*Mus musculus* (house mouse)]

Also known as: NG2; hdf; PG-M; Cspg2; DPEAAE; PG-M(V0); PG-M(V1); 9430051N09; 5430420N07Rik

Summary:

Versican is a member of the aggrecan/versican proteoglycan family. It is a chondroitin sulfate proteoglycan and is a major component of the extracellular matrix. Versican is involved in cell adhesion, proliferation, migration and angiogenesis, and plays a central role in tissue morphogenesis and maintenance. Mutations in Versican are the cause of Wagner syndrome type 1.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3014 Plasmid DNA Sequence

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1 tcgcgcgctt cggatgatgac ggtgaaaacc totgacacat gcagctcccg gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgcc accatagcgc gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgc attgccatt caggctcgc aactgttggg aagggcgatc ggtcgggcc tcttcctat
301 tacgccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgccagggt ttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggcggccacc atgttgataa atatgaaagg catcttatgg atgtgctcaa ccttattact
501 aaccatgca ctacatacag ccaaaatgga aaccagccca cctgttaaag gctctctgtc tggaaaagt gtcctacott gtcatttttc aacctacott
601 accttaccac ccaattacaa caccagtgaa ttctcagaa tcaaatggtc taagatggaa gtggacaaaa atgaaaaaga tataaaggag acgactgtct
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4701 cgaggccctt tcgctc

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> RDC3014 Translated Insert Sequence

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1 mlinmkgilw mcestllltha lhqakmetsp pvkgsllsgkv vlpchfstlp tlpnyntse flrikwskme vdkngkdike ttvlvaqngn ikigdqykr
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