*m*Desmoglein-1 beta VersaClone cDNA

Catalog Number: RDC3495

Specifications:

Gene:	*m*Dsg1b
Accession:	NP_859010.1
Insert size:	3196bp
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

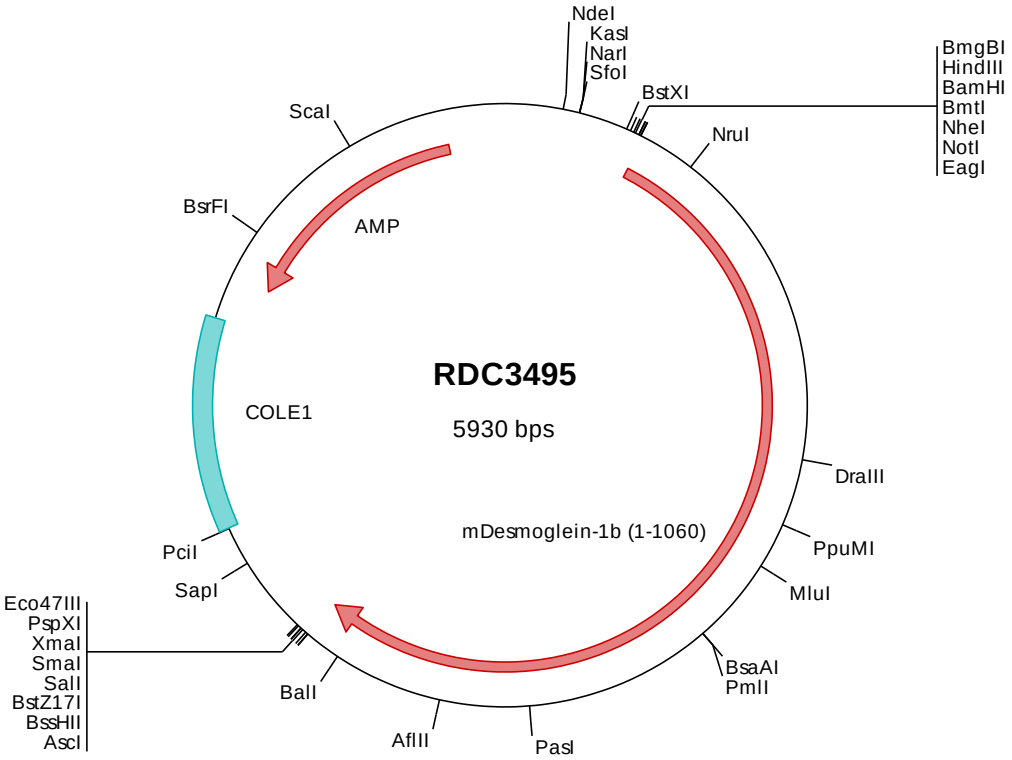
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*Desmoglein-1 beta cDNA Plasmid

Dsg1b desmoglein 1 beta [*Mus musculus* (house mouse)]

Also known as: Dsg; Dsg5; dsg1-beta

Summary:
DSG1B is a member of the desmoglein protein subfamily. Desmogleins, along with desmocollins, are cadherin-like transmembrane glycoproteins that are major components of the desmosome. Desmosomes are cell-cell junctions that help resist shearing forces and are found in high concentrations in cells subject to mechanical stress. DSG1B is involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC3495 Plasmid DNA Sequence

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 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
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 601  tggatcaagt ttgctgcagc ctgtcgcgaa ggtgaagaca actcaaagag aaacccaatt gccaaaattc attcagattg tgctgcaaat caaccagtga
 701  cataccgcat ctcgggagtg ggaattgacc agccaccttа tggaatcttc attattaatc aaaaaactgg tgaaatcaat ataacatcca ttgttgatcg
 801  tgaagtcacc ccctttttca ttatctactg ccgagcactg aatgcacaag gtcaagactt ggagaatcca ctggagctta gagttagagt gatggatata
 901  aatgacaacc ctcctgtgtt ttcaatgact acatttctag gacaaataga agaaaattct aatgcaaaca cactggtaat gaaactcaat gctaccgatg
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1101  aatcagaaca atgaataact ttctagacag agagcaatat agccagtatt cccttgtggt gagaggctca gaccgggacg gtggagcaga cggcatgtct
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1801  gaacaatacc aaaggcttaa tggggaatat aaaggaacag tgctatcaat agatgattcc cttcagagga cctgcacggg gacaatcgtc attgaactta
1901  gtggcactgg ctgggtacca ggttcagatg gtggtggcag ttccagtggc agtggtggta atcgtgaccc agtgactaat ggatatcaag gcacttctac
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2101  ccggaacccg agccctttga catcacagaa gacaacgttc acttcggtcc tgcaggcatc gggctgctca tcatggggtt cctagtctta ggattggttc
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2401  tcaggagttt acacaaatga atattgtggc agagaaatgc aagatctggg aggaggagaa agaaccacag gatttgaact aatggatgga gttaaaacat
2501  cagctgcacc tgagatatgc caagaatatt caggaacatt aagaagaaat tcaatgagag aatgtagaga tgggggtctc aacatgaatt tcatggaaag
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2901  atatccacct atatccccac attttggtac gaccacagta atttctgaga atgcctaccc ttctggccct ggagtacagc atcctttgcc aattcctgat
3001  cctctgggct atggcaatgt cactgtaagg gagtcctatg ccacctctgg cactctgaag ccctctgtcc actttcatga taaccagcag gcttcaaatg
3101  tggtggtgac agagagggtg gtgggccccg tccctggtgc tgatttgcat ggcatgttag agatacctga cttaagagat ggaacaaatg ttatagtgac
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3801  aatgagtgag ctaactcaca ttaattgcgt tgcgctcact gcccgctttc cagtcgggaa acctgtcgtg ccagctgcat taatgaatcg gccaacgcgc
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> RDC3495 Translated Insert Sequence

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 401  nhrvgefvat dldtgrastn vryemgnnpe nllvvdsrtg iitlrnrvtm eqyqrlngey kgtvlsidds lqrtctgtiv ielsgtgwvp gsdgggsssg
 501  sggnrdpvtn gyqgtstvgp qrvtgsggvt ssggggsgvnn tpgrqnplde pepepfdite dnvhfgpagi gllimgflvl glvpfllicc dcggapggga
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