

Specifications:

Gene:	mDsg2
Accession:	NP_031909.2
Insert size:	3382bp
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.

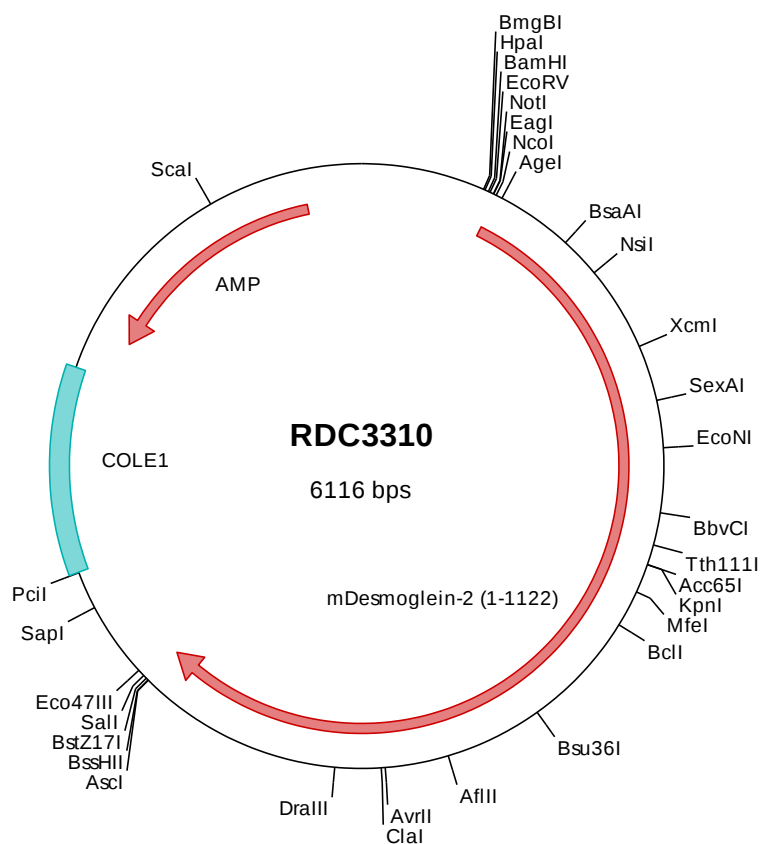
mDesmoglein-2 cDNA Plasmid

Dsg2 desmoglein 2 [*Mus musculus* (house mouse)]

Also known as: AA408168; D18Ertd293; D18Ertd293e

Summary:

Desmoglein-2 is a member of the cadherin family of proteins that forms an integral transmembrane component of desmosomes, the multiprotein complexes involved in cell adhesion, organization of the cytoskeleton, cell sorting and cell signaling. It undergoes proteolytic processing to generate a mature, functional protein. Mice lacking Desmoglein-2 die in utero. Mutant mice lacking a part of the extracellular adhesive domain of Desmoglein-2 develop cardiac fibrosis and dilation.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3310 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccggggagca gacaagcccg
101  tcaggggcgcg tcagcgggtg ttggcgggtg tccgggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgcc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atccgcccatt cagcgtcgcg caggctcgcg aactgttggg aagggcgatc ggtgcccggc tcttcgctat
301  tacgcccagct ggcgaaaagg ggaatgtgtg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaaat
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccggccacc atggcgcgga gcccggttga ccggtgccc ctgctgtgct tgggtcagct
501  gctggcggtg gtctgtcttg actttggaaa cggacttcac ttagaggctc tcagcccaag aatatgaagg aaaccgcttc ctaagcacac tcacttgggt
601  cgtcaaaaaga gggcctggat cactgcccc gtggtctctg gggaggggcga agacctgtcc agaaagaacc cgattgcaa gatacactct gaccttgagc
701  aagaaaaagg gataaaaatc acgtcaaatg ggaattaca gaaccgcctt tcggcatatt cgtctttgat agaaacacag gagaactgaa
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901  cgcatacaag ttctggacat caatgacaac gagccagtgt tcacacagga ggtctttgtt gggctccatt aggaattgag tgcagcacat acacttgtga
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> RDC3310 Translated Insert Sequence

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1   marspgdrca llllvqllav vcldfngnlh levfspnrne kpfpkhthlv rqkrawitap valregedls rknpiakihs dlaeekgiki tykytkgkit
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201  vsyriivsgqp anshmfylnk lldreehssy lldreehssy gqitdkpvqq qvqirildv ndnipvvenk myeggtveeng vnevnmrikv
301  tdadevgsdn wlanftfasg neggyfhiet dtqtnegivt lvkevdyeem kklldlsiivt nkaafhksil skykatpipi tvkvknvveg ihfkssvvsf
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501  cpvlvdsvrs vcedepynv taedldgaqn sapfsfsiid qpggtagkwk ithqetsvsl lqgserkrgr seipfliids gqfscperqv qltvcceikl
601  gggcvaaqyd nyvglgpaai almilallll llvpllllic hcgggagkft pipgtiemlh pwnnegappe dkvvpsllva dhaessavrg gvvgamlkeg
701  mmkgssasv tkghhelsev dgrweehrs1 ltagathhvr tagtiaanea vrtratgssr dmsgargava vneeflrsyf tekaasyngs ddihmakdel
801  lvsygedtas lrgsvgccsf iegelddlfl aevalgrkid lddviedgrqk pvreasvsaa sgshyeqavt ssesayssnt gfpapklphe
901  vhtekvtqei vtessvsrrq sqkvvppdpd vasgniivte tsyaksavp pstvllaprq pqsliivterv yaptstlvdq hyaneekvvlv terviopngg
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