*h*delta-Sarcoglycan VersaClone cDNA

Catalog Number: RDC3339

Specifications:

Gene:	*h*SGCD
Accession:	NP_001121681.1
Insert size:	883bp
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

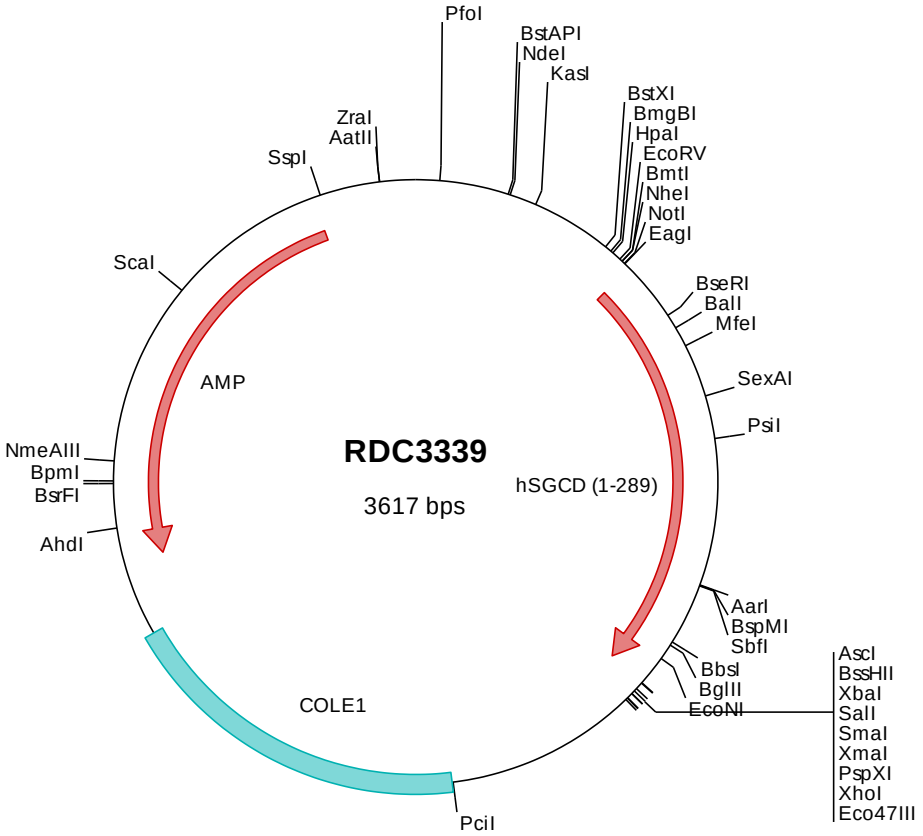
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*delta-Sarcoglycan cDNA Plasmid

SGCD sarcoglycan delta [*Homo sapiens* (human)]

Also known as: SGD; DAGD; 35DAG; CMD1L; SGCDP; LGMDR6; SG-delta

Summary:
SGCD is one of the four known components of the sarcoglycan complex, which is a subcomplex of the dystrophin-glycoprotein complex (DGC). DGC forms a link between the F-actin cytoskeleton and the extracellular matrix. It is expressed most abundantly in skeletal and cardiac muscle. Mutations in SGCD have been associated with autosomal recessive limb-girdle muscular dystrophy and dilated cardiomyopathy. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC3339 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 atgcctcagg agcagtacac tcaccaccgg agcaccatgc ctggctctgt
 501  ggggccacag gtatacaagg tggggattta tggctggcgg aaacgatgcc tgtatttctt tgtcctgctc ctcatgattt taatactggt gaacttggcc
 601  atgaccatct ggattctcaa agtcatgaac ttcacaattg atggaatggg aaacctgagg atcacagaaa aaggtctaaa gctagaagga gactctgaat
 701  tcttacaacc tctctacgcc aaagaaatcc agtcccgacc aggtaatgcc ctgtacttca agtctgccag aaatgttaca gtgaacattc tcaatgacca
 801  gactaaagtg ctaactcagc ttataacagg tccaaaagcc gtagaagctt atggtaaaaa atttgaggta aaaactgttt ctggaaaatt gctcttctct
 901  gcagacaata atgaagtggt agtaggagct gaaagattac gagttttagg agcggagggc acagtgttcc ctaaatctat agaaacacct aatgtcaggg
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1401  agctgtttcc tgtgtgaaat tgttatccgc tcacaattcc acacaacata cgagccggaa gcataaagtg taaagcctgg ggtgcctaat gagtgagcta
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1601  ttgcgtattg ggcgctcttc cgcttcctcg ctcactgact cgctgcgctc ggtcgttcgg ctgcggcgag cggtatcagc tcactcaaag gcggtaatac
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2001  gctgtaggta tctcagttcg gtgtaggtcg ttcgctccaa gctgggctgt gtgcacgaac cccccgttca gcccgaccgc tgcgccttat ccggtaacta
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2301  cttgatccgg caaacaaacc accgctggta gcggtggttt ttttgtttgc aagcagcaga ttacgcgcag aaaaaaagga tctcaagaag atcctttgat
2401  cttttctacg gggtctgacg ctcagtggaa cgaaaactca cgttaaggga ttttggtcat gagattatca aaaaggatct tcacctagat ccttttaaat
2501  taaaaatgaa gttttaaatc aatctaaagt atatatgagt aaacttggtc tgacagttac caatgcttaa tcagtgaggc acctatctca gcgatctgtc
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> RDC3339 Translated Insert Sequence

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101  lyfksarnvt vnilndqtkv ltqlitgpka veaygkkfev ktvsgkllfs adnnevvvga erlrvlgaeg tvfpksietp nvradpfkel rlesptrslv
201  meapkgvein aeagnmeatc rtelrleskd geikldaaki rlprlphgsy tptgtrqkvf eicvcangrl flsqagagst cqintsvcl
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