

Specifications:

Gene:	hSGCE
Accession:	NP_003910
Insert size:	1327bp
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.

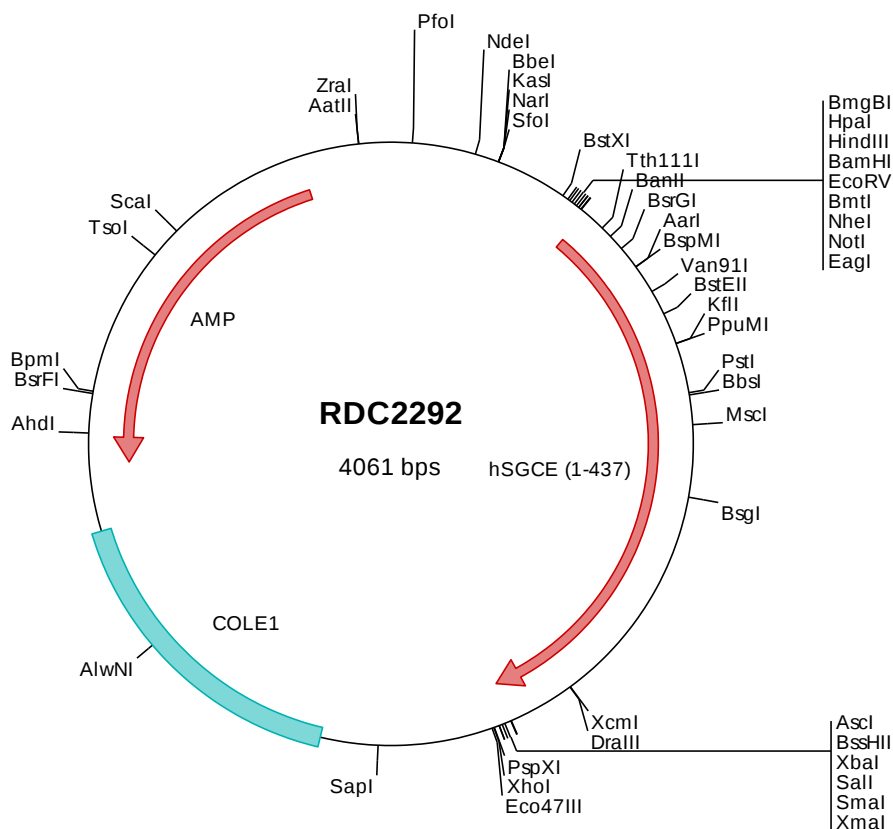
hε-Sarcoglycan cDNA Plasmid

SGCE sarcoglycan epsilon [*Homo sapiens* (human)]

Also known as: ESG; DYT11; epsilon-SG

Summary:

SGCE is the epsilon member of the sarcoglycan family. Sarcoglycans are transmembrane proteins that are components of the dystrophin-glycoprotein complex, which link the actin cytoskeleton to the extracellular matrix. Unlike other family members which are predominantly expressed in striated muscle, SGCE is more broadly expressed. Mutations in SGCE are associated with myoclonus-dystonia syndrome. Alternatively spliced transcripts encoding different proteins have been described.



> RDC2292 Plasmid DNA Sequence

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1   tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacgggtc cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tggggcgtgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaagg ggaatgtgtg caaggcgatt aagttgggta agccagggtt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaatcgata tgcgtagcgc ggccgcaccc atgcaattgc ccgggtgggt ggagctggga gacccctgtg cttggacggg
501  acaggggtcgg gggacacgca ggaatgagccc cgcgaccact ggacacattct tgcgtgacagt gtacagtatt ttctccaagg taaactccga tccgaaatgta
601  taccatcagc caggtgtcct ctttgttcat gttttggaaa gagaatattt taagggggaa tttccacctt acccaaaacc tggcgagatt agtaatgatc
701  ccaataacatt taatacaaat ttaattgggtt acccagacgg accctggatgg cttcgatata tccaaaggac accatatagt gatggagtcc tatatgggtc
801  cccaacagct gaaaatgtgg ggaagccaac aatcattgag ataactgcct acaacaggcg cacttttgag actgcaaggc ataattgat aatataata
901  atgtctgcag aagacttccc gttgccatat caagcagaat tcttcattaa gaatatgaat gtagaagaaa tgttgccag tgaggttctt ggagacttcc
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1801 aattcctcga gcgctcgtct ctactgttgc gtaatcatgg tcatagctgt tctctgtgtg aaattgttat ccgctcaca ttcacacaaa catacgagcc
1901 ggaagcataa agtgtaaaagc ctgggggtgc taatgagtga gctaaactac attaatgtcg ttgctgtcac tgcccgcttt ccagtccgga aacctgtcgt
2001 gccagctgca ttaatatgac ggcacacgcg cggggagagg cggtttgcgt attggcgctt cttccgcttc ctgcctcact gactcgtcgc gctcgtcgt
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3901 ttattgtctc atgagcggat acatatttga atgtatttag aaaaataaac aaatagggtt tccgcgcaca tttcccgaa aagtgccacc tgacgtctaa
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> RDC2292 Translated Insert Sequence

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101  lryiqrtyps dqvlygspta envgkptiie itaynrtrfe tarhnlaii msaedfplpy qaeffiknmn veemlasevl gdfllgavknv wqperlnain
201  itsaldrgrg vplpindlke gvyvmvgadv pfssclreve npqnlrcsq emepvitcdk kfrtqfyidw ckislvdktk qvstyqevir gegilpdgge
301  ykppsdslls rdytydfllit lavpsavalv lfllilayimc crregvekrn mqtgpdqlvh hsaiqkstke lrdmsknrei awplstlpvf hpvtgeiipp
401  lhtdnydstn mplmqtqnl phqtqipqqq ttgkwyp

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