

Product datasheet for **SC310566**

delta Sarcoglycan (SGCD) (NM_000337) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	delta Sarcoglycan (SGCD) (NM_000337) Human Untagged Clone
Tag:	Tag Free
Symbol:	SGCD
Synonyms:	35DAG; CMD1L; DAGD; LGMDR6; SG-delta; SGCDP; SGD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310566 representing NM_000337. Blue=Insert sequence Red=Cloning site Green=Tag(s)

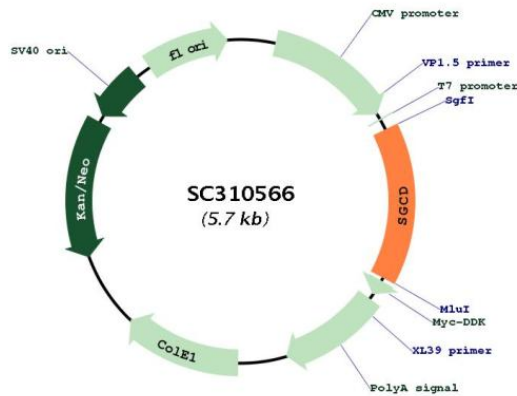
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GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGATGCCTCAGGAGCAGTACACTCACCACCGGAGCACCATGCCTGGCTCTGTGGGGCCACAGGTATAC
AAGGTGGGATTTATGGCTGGCGGAAACGATGCCTGTATTTCTTTGCTCTGCTCCTCATGATTTTAATA
CTGGTGAACCTGGCCATGACCATCTGGATTCTCAAAGTCATGAACCTCACAATTGATGGAATGGGAAAC
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AATGACCAGACTAAAGTGCTAACTCAGCTTATAACAGGTCAAAAGCCGTAAGAAGCTTATGGTAAAAAA
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GAAAGATTACGAGTTTTAGGAGCGGAGGGCACAGTGTTCCCTAAATCTATAGAAACACCTAATGTCAGG
GCAGACCCCTTCAAAGAATAAGGTTGGAGTCCCCAACCCGGTCTCTAGTGATGGAGGCCCAAAAGGA
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GGAGCTGGGTCCACTTGTGAGATAAACACAAGTGTCTGCCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM_000337

Insert Size: 873 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_000337.5](#)

RefSeq Size: 9805 bp

RefSeq ORF: 873 bp

Locus ID:	6444
UniProt ID:	Q92629
Cytogenetics:	5q33.2-q33.3
Domains:	sarcoglycan
Protein Families:	Transmembrane
Protein Pathways:	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), Viral myocarditis
MW:	32.2 kDa
Gene Summary:	<p>The protein encoded by this gene 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. This protein is expressed most abundantly in skeletal and cardiac muscle. Mutations in this gene have been associated with autosomal recessive limb-girdle muscular dystrophy and dilated cardiomyopathy. Alternatively spliced transcript variants encoding distinct isoforms have been observed for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1, also known as SGCD1), encodes the longest isoform (1).</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>