

Product datasheet for **SC309561**

delta Sarcoglycan (SGCD) (NM_172244) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: delta Sarcoglycan (SGCD) (NM_172244) Human Untagged Clone
Tag: Tag Free
Symbol: delta Sarcoglycan
Synonyms: 35DAG; CMD1L; DAGD; LGMDR6; SG-delta; SGCDP; SGD
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_172244 edited
GACAAGAGAGAGACATTACTGCCGGGAGTGTGGAGTGAAGGGACCAGGTGGAGATGATGC
CTCAGGAGCAGTACACTACCACCGGAGCACCATGCCTGGCTCTGTGGGGCCACAGGTAT
ACAAGGTGGGATTTATGGCTGGCGGAAACGATGCCTGTATTTCTTTGCTCTGCTCCTCA
TGATTTTAACTGTTGAACTTGCCATGACCATCTGGATTCTCAAAGTCATGAACCTTCA
CAATTGATGGAATGGGAACTGAGGATCACAGAAAAAGTCTAAAGCTAGAAGGAGACT
CTGAATCTTACAACCTCTCTACGCCAAAGAAATCCAGTCCCAACCAGGTAATGCCCTGT
ACTTCAAGTCTGCCAGAAATGTTACAGTGAACATTCTCAATGACCAGACTAAAAGTCTAA
CTCAGCTTATAACAGGTCCAAAAGCCGTAGAAGCTTATGGTAAAAATTTGAGGTAAAA
CTGTTTCTGGAAAATTGCTCTTCTCTGCAGACAATAATGAAGTGGTAGTAGGAGCTGAAA
GATTACGAGTTTTAGGAGCGGAGGGCACAGTGTCCCTAAATCTATAGAAACACCTAATG
TCAGGGCAGACCCCTTCAAAGAATAAGTTGGAGTCCCAACCCGGTCTCTAGTGATGG
AGGCCCAAAAAGGAGTGGAAATCAATGCAGAAGCTGGCAATATGGAAGCCACCTGCAGGA
CAGAGCTGAGACTGGAATCCAAAGATGGAGAGGTGAGGGATGAGAAGGACAGAAGTTCAA
AGAGCTACAGCTTCAACAGGCCAACCTTCCCATAACTGGTTGACCTCGGAGTTGGATCC
TACAGTGTATCAACAAAAGGAGCCAAGCAGGTTTTATTCTGAAACAATTAATTGAGCAG
CATGATTATAAGCCAAACCCACAATCCATCAAAGTGATGATTTCTTATTTGTAATAATGCA
GAGATAATGGCATGTATTCCAAGTACAGAATTATGACCATGAAAATGAATGCTATTTT
CAAATCTCTTGTACCTTAAAATAAGATTTTGTAGCCAACATAATTAAGCTGTATA
TATTATACACATCTGGCTCAAGATGAACTTAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: NotI-NotI
ACCN: NM_172244
Insert Size: 1100 bp



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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:	The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_172244.2.
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:	<ol style="list-style-type: none">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_172244.2 , NP_758447.1
RefSeq Size:	1576 bp
RefSeq ORF:	771 bp
Locus ID:	6444
UniProt ID:	Q92629
Cytogenetics:	5q33.2-q33.3
Protein Families:	Transmembrane
Protein Pathways:	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), Viral myocarditis
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 (2, also known as SGCD2), contains an alternate 3' terminal exon compared to transcript variant 1. This results in a shorter isoform (2) with a distinct C-terminus compared to isoform 1.</p>