

Product datasheet for **RG204729**

delta Sarcoglycan (SGCD) (NM_000337) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	delta Sarcoglycan (SGCD) (NM_000337) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	delta Sarcoglycan
Synonyms:	35DAG; CMD1L; DAGD; LGMDR6; SG-delta; SGCDP; SGD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204729 representing NM_000337 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGATGCCTCAGGAGCAGTACACTCACCACCGGAGCACCATGCCTGGCTCTGTGGGGCCACAGGTATACA
AGGTGGGGATTTACGGCTGGCGGAAACGATGCCTGTATTTCTTTGTCTGCTCCTCATGATTTTAACT
GGTGAAC TTGGCCATGACCATCTGGATTCTCAAAGTCATGAACCTCACAATTGATGGAATGGGAAACCTG
AGGATCACAGAAAAGGTCTAAAGCTAGAAGGAGACTCTGAATTCTTACAACCTCTCTACGCCAAAGAAA
TCCAGTCCCGACCAGGTAATGCCCTGTACTTCAAGTCTGCCAGAAATGTTACAGTGAACATTCTCAATGA
CCAGACTAAAGTGCTAATCAGCTTATAACAGGTCCAAAAGCCGTAGAAGCTTATGGTAAAAATTTGAG
GTAAAACTGTTTCTGGAAAATTGCTCTTCTCTGACAGACAATAATGAAGTGGTAGTAGGAGCTGAAAGAT
TACGAGTTTTAGGAGCGGAGGGCACAGTGTTCCTAAATCTATAGAAACACCTAATGTCAGGGCAGACCC
CTTCAAAGAACTAAGGTTGGAGTCCCCAACCCGGTCTCTAGTGATGGAGGCCCAAAAGGAGTGGAAATC
AATGCAGAAGCTGGCAATATGGAAGCCACCTGCAGGACAGAGCTGAGACTGGAATCCAAAGATGGAGAGA
TTAAGTTAGATGCTGCGAAAATCAGGCTACCTAGACTGCCTCATGGATCTACACGCCTACAGGAACGAG
GCAGAAGGTCTTCGAGATCTGCGTCTGCGCCAATGGGAGATTATTCCTGTCTCAGGCAGGAGCTGGGTCC
ACTTGTCAGATAAACACAAGTGTCTGCCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_000337.2](#)

RefSeq Size: 8052 bp

RefSeq ORF: 873 bp

Locus ID: 6444

UniProt ID: [Q92629](#)

Cytogenetics: 5q33.2-q33.3

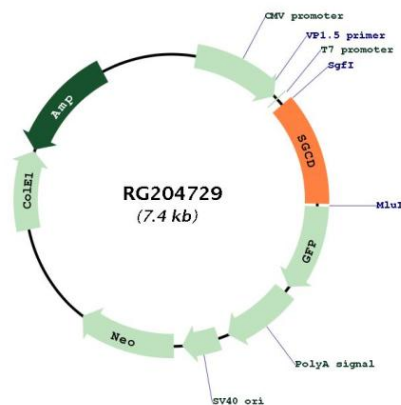
Domains: sarcoglycan

Protein Families: Transmembrane

Protein Pathways: Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), Viral myocarditis

Gene Summary: 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]

Product images:



Circular map for RG204729