

Product datasheet for RC227929

alpha Sarcoglycan (SGCA) (NM_001135697) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	alpha Sarcoglycan (SGCA) (NM_001135697) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	alpha Sarcoglycan
Synonyms:	50DAG; adhalin; ADL; DAG2; DMDA2; LGMD2D; LGMDR3; SCARMD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC227929 representing NM_001135697 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAGACACTCTTCTGGACTCCTCTCCTCGTGGTTCTCCTGGCAGGGCTGGGGACACCGAGGCC
AGCAGACCACGCTACACCCACTTGTGGCCGTGTCTTTGTGCACACCTTGGACCATGAGACGTTTCTGAG
CCTTCTGAGCATGTCGCTGTCCACCCGCTGTCCACATCACCTACCACGCCACCTCCAGGGACACCCA
GACCTGCCCGGTGGCTCCGCTACACCCAGCGCAGCCCCACCACCTGGCTTCTCTACGGCTCTGCCA
CCCCAGAAGATCGTGGGCTCCAGGTCATTGAGGTCACAGCCTACAATCGGGACAGCTTTGATACCACTCG
GCAGAGGCTGGTGTGGAGATTGGGGACCCAGAAGGCCCCCTGCTGCCATACCAAGCCGAGTTCTGGTG
CGCAGCCACGATGCGGAGGAGGTGCTGCCTCAACACCTGCCAGCCGCTTCTCTCAGCCTTGGGGGAC
TCTGGGAGCCCGAGAGCTTCAGCTGCTCAACGTACCTCTGCCTTGGACCGTGGGGGCCGTGTCCCCCT
TCCCATTGAGGGCCGAAAAGAAGGGCTGAAGAGAGACCTGGCTACCTCCGACATCCAGATGGTCCACCAC
TGCACCATCCACGGGAACACAGAGGAGCTGCGGCAGATGGCGGCCAGCCGCGAGGTGCCCGGCCACTCT
CCACCTGCCCATGTTCAATGTGCACACAGGTGAGCGGCTGCCTCCCCCGTGGACAGCGCCAGGTGCC
CCTCATTCTGGACCAGCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

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_001135697.3](#)

RefSeq ORF: 792 bp

Locus ID: 6442

UniProt ID: [Q16586](#)

Cytogenetics: 17q21.33

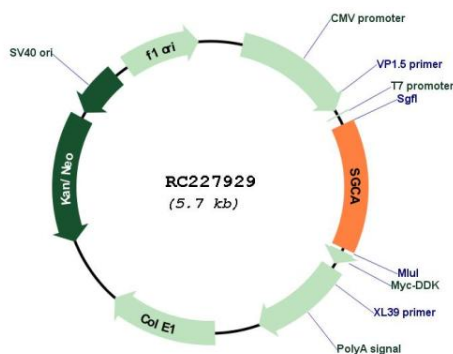
Protein Families: Druggable Genome, Transmembrane

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

MW: 29.35 kDa

Gene Summary: This gene encodes a component of the dystrophin-glycoprotein complex (DGC), which is critical to the stability of muscle fiber membranes and to the linking of the actin cytoskeleton to the extracellular matrix. Its expression is thought to be restricted to striated muscle. Mutations in this gene result in type 2D autosomal recessive limb-girdle muscular dystrophy. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]

Product images:



Circular map for RC227929