

# Recombinant Human SGCA 293 Cell Lysate

**Cat. No.** SGCA-1890HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>         | Antigen standard for sarcoglycan, alpha (50kDa dystrophin-associated glycoprotein) (SGCA), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.                                                         |
| <b>Components</b>          | This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol). |
| <b>Size</b>                | 0.1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Instruction</b> | Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.                                                                                                                                                                                                                                                                   |

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**Applications**

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

**GENE INFORMATION**
**Gene Name**

SGCA sarcoglycan, alpha (50kDa dystrophin-associated glycoprotein) [ Homo sapiens ]

**Official Symbol**

SGCA

**Synonyms**

SGCA; sarcoglycan, alpha (50kDa dystrophin-associated glycoprotein); ADL, sarcoglycan, alpha (50kD dystrophin associated glycoprotein); alpha-sarcoglycan; 50kD DAG; A2; adhalin; adhalin (limb girdle muscular dystrophy 2D); DMDA2; LGMD2D; Sarcoglycan; alpha (50kD dystrophin associated glycoprotein; adhalin); SCARMD1; 50DAG; alpha-SG; dystroglycan-2; 50 kDa dystrophin-associated glycoprotein; ADL; DAG2; 50-DAG;

**Gene ID**

6442

**mRNA Refseq**

NM\_000023

**Protein Refseq**

NP\_000014

**MIM**

600119

**UniProt ID**

Q16586

**Chromosome Location**

17q21

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**Pathway**

Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Dilated cardiomyopathy, organism-specific biosystem; Dilated cardiomyopathy, conserved biosystem; Hypertrophic cardiomyopathy (HCM), organism-specific biosystem; Hypertrophic cardiomyopathy (HCM), conserved biosystem; Viral myocarditis, organism-specific biosystem;

**Function**

calcium ion binding;

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