

Recombinant Human SGCA 293 Cell Lysate

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

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	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.
Components	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).
Size	0.1 mg
Storage Instruction	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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