

Product Information

MemDX™ Membrane Protein Human SGCA (Sarcoglycan alpha) Full Length

Cat. No.: **MPC3985K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human SGCA membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

SGCA

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MAETLFWTPLLVLVLLAGLGDTEAQQTTLHPLVGRVHVHTLDHETFLSLPE
HVAVPPAVHITYHAHLQGHDPDLPRWLRYTQRSPHHPGFLYGSATPEDRGL
QVIEVTAYNRDSFDTTRQRLVLEIGDPEGPLLPHYQAEFLVRSHDAEEVLP
STPASRFLSALGGLWEPGELQLLNVTSAIDRGGRVPLPIEGRKEGVYIKV
GSASPFSTCLKMVASPDHARCAQQQPPLLSCYDTLAPHFRVDWCNVTLV
DKSVPEPADEVPTPGDGILEHDPFFCPPTTEAPDRDFLVDALVTLLVPLL
ALLLTLLLAYVMCCRREGRLKRDLATSDIQMVHHCTIHGNTTEELRQMAAS
REVPRPLSTLPMFNVHTGERLPPRVDSAQVPLILDQH

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

SGCA

Full Name

Sarcoglycan alpha

Introduction

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.

Alternative Names

SGCA; ADL; DAG2; 50DAG; DMDA2; LGMD2D; LGMDR3; SCARMD1; adhalin; alpha-sarcoglycan; 50 kDa dystrophin-associated glycoprotein; 50kD DAG; alpha-SG; dystroglycan-2; limb girdle muscular dystrophy 2D; sarcoglycan, alpha (50kDa dystrophin-associated glycoprotein); Sarcoglycan alpha

Gene ID

[6442](#)

UniProt ID

[Q16586](#)