

Product Information

MemDX™ Membrane Protein Human SGCG (Sarcoglycan gamma) for Antibody Discovery

Cat. No.: **MP0748J**

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

This product is a 32.2 kDa Human SGCG membrane protein expressed in HEK293T. 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

SGCG

Protein Length

Full-length

Protein Class

Druggable Genome, Phosphatase, Transmembrane

Molecular Weight

32.2 kDa

TMD

1

Sequence

MVREQYTTATEGICIERPENQYVYKIGIYGWRKRCLYLFVLLLLLILVNLALTIWILKVMWFSPAGMGH
LCVTKDGLRLEGESEFLFPLYAKEIHSRVDSSLLQSTQNVTVNARNSEGEVTGRLKVGPKMVEVQNQQF
QINSNDGKPLFTVDEKEVVVGTDKLRVTGPEGALFEHSVETPLVRADPFQDLRLESPTRSLSDAPRGVH
IQAHAGKIEALSQMDILFHSSDGMLVLDAETVCLPKLVQGTWGPSPGSSQSLYEICVCPDGKLYLSVAGVS
TTCQEHSICL

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

SGCG

Full Name

Sarcoglycan gamma

Introduction

This gene encodes gamma-sarcoglycan, one of several sarcolemmal transmembrane glycoproteins that interact with dystrophin. The dystrophin-glycoprotein complex (DGC) spans the sarcolemma and is comprised of dystrophin, syntrophin, alpha- and beta-dystroglycans and sarcoglycans. The DGC provides a structural link between the subsarcolemmal cytoskeleton and the extracellular matrix of muscle cells. Defects in the encoded protein can lead to early onset autosomal recessive muscular dystrophy, in particular limb-girdle muscular dystrophy, type 2C (LGMD2C).

Alternative Names

A4; DAGA4; DMDA; DMDA1; LGMD2C; MAM; SCARMD2; SCG3; TYPE

Gene ID

[6445](#)

UniProt ID

[Q13326](#)