

# Product Information

## MemDX™ Membrane Protein Human SGCG (Sarcoglycan gamma) Full Length

Cat. No.: **MPC2985K**

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

This product is a made-to-order Human SGCG 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

SGCG

#### Protein Length

Full length

#### Protein Class

Receptor

#### TMD

1

#### Sequence

MVREQYTTATEGICIERPENQYVYKIGIYGWRKRCLYFVLLLLLILLVN  
LALTIWILKVMWFSPAGMGHLCVTKDGLRLEGSEFLFPLYAKEIHSRVD  
SSLLLQSTQNVTVNARNSEGEVTGRLKVGPKMVEVQNQQFQINSNDGKPL  
FTVDEKEVVVGTDKLRVTGPEGALFEHSVETPLVRADPFQDLRLESPTRS  
LSMDAPRGVHIQAHAGKIEALSQMDILFHSSDGMVLVDAETVCLPKLVQG  
TWGPGSSQSLYEICVCPDGKLYLSVAGVSTTCQEHNHICL

### 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**

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**

SGCG; A4; MAM; DMDA; SCG3; 35DAG; DAGA4; DMDA1; LGMD2C; LGMDR5; SCARMD2; gamma-SG; gamma-sarcoglycan; 35 kDa dystrophin-associated glycoprotein; 35kD dystrophin-associated glycoprotein; sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein); Sarcoglycan gamma

**Gene ID**

[6445](#)

**UniProt ID**

[Q13326](#)