

Recombinant Human SGCG

Cat. No. SGCG-28970TH Lot. No. (See product label)

SPECIFICATION

| | |
|---------------------------|---|
| Product Overview | Recombinant full length Human gamma Sarcoglycan with N terminal proprietary tag; Predicted MWt 58.08 kDa. |
| Species | Human |
| Source | Wheat Germ |
| ProteinLength | 291 amino acids |
| Description | 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). |
| Molecular Weight | 58.080kDa inclusive of tags |
| Tissue specificity | Expressed in skeletal and heart muscle. |
| Form | Liquid |
| Purity | Proprietary Purification |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|---------------------------------|---|
| Storage buffer | pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl |
| Storage | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles. |
| Sequences of amino acids | MVREQYTTATEGICIERPENQYVYKIGIYGWRKRCLYLFV LLLLIIILVVNLALTIWILKV MWFSPAGMGHLCVTKDGLRL EGESFLFPLYAKEIHSRVDSLLLLQSTQNVTVNAR NSEG EVTGRLKVGPKMVEVQNNQFQINSNDGKPLFTVDEKEVVV GTDKLRVTGPE GALFEHSVETPLVRADPFQDLRLESPTRS LSMDAPRGVHIQAHAGKIEALSQMDILF HSSDGMLVLDAE TVCLPKLVQGTWGPSGSSQSLYEICVCPDGKLYLSVAGVS TTC QEHSICL |
| Sequence Similarities | Belongs to the sarcoglycan beta/delta/gamma/zeta family. |

GENE INFORMATION

| | |
|------------------------|--|
| Gene Name | SGCG sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein) [Homo sapiens] |
| Official Symbol | SGCG |
| Synonyms | SGCG; sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein); DMDA1, LGMD2C, MAM, sarcoglycan, gamma (35kD dystrophin associated glycoprotein); gamma-sarcoglycan; 35kD dystrophin associated glycoprotein; A4; DAGA4; DMDA; gamma sarcoglycan; limb gi |
| Gene ID | 6445 |
| mRNA Refseq | NM_000231 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|----------------------------|---|
| Protein Refseq | NP_000222 |
| MIM | 608896 |
| Uniprot ID | Q13326 |
| Chromosome Location | 13q12-q13 |
| 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; |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA