

## Recombinant Human SGCG

Cat. No. SGCG-26403TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment corresponding to amino acids 191-290 of Human gamma Sarcoglycan with an N terminal proprietary tag; Predicted MWt 36.63 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	100 amino acids
<b>Description</b>	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).
<b>Molecular Weight</b>	36.630kDa inclusive of tags
<b>Tissue specificity</b>	Expressed in skeletal and heart muscle.
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification

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<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	DLRLESPTRSLSM DAPRGVHIQAHAGKIEALSQMDILFHSSDGMLVLDAETVCLPKL VQGTWGPSGSSQSLYEICVCPDGKLYLSVAGVSTTCQEHSIC
<b>Sequence Similarities</b>	Belongs to the sarcoglycan beta/delta/gamma/zeta family.

## GENE INFORMATION

<b>Gene Name</b>	SGCG sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein) [ Homo sapiens ]
<b>Official Symbol</b>	SGCG
<b>Synonyms</b>	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
<b>Gene ID</b>	6445
<b>mRNA Refseq</b>	NM_000231
<b>Protein Refseq</b>	NP_000222
<b>MIM</b>	608896

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<b>Uniprot ID</b>	Q13326
<b>Chromosome Location</b>	13q12-q13
<b>Pathway</b>	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;

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