Recombinant Human SGCG

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

SPECIFICATION

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

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Storage buffer	pH: 8.00Constituents: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	DLRLESPTRSLSMDAPRGVHIQAHAGKIEALSQMDILFHSSDGMLVLDAETVCLPKL VQGTWGPSGSSQSLYEICVCPDGKLYLSVAGVSTTCQEHSHIC
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
Protein Refseq	NP_000222
MIM	608896

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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;

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