

Recombinant Full Length Human SGCG Protein

Cat. No. SGCG-469HF **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	In Vitro Cell Free System
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).
Form	Liquid
Molecular Mass	58.080kDa inclusive of tags
AA Sequence	MVREQYTTATEGICIERPENQYVYKIGIYGWRKRCLYLFV LLLLILVNLALTIWILKV MWFSPAGMGHLCVTKDGLRL EGESEFLFPLYAKEIHSRVDSSLLQSTQNVTVNAR NSEG EVTGRLKVGPKMVEVQNQQFQINSNDGKPLFTVDEKEVVV GTDKLRVTGPE GALFEHSVETPLVRADPFQDLRLSPTRS LSMDAPRGVHIQAHAGKIEALSQMDILF

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	HSSDGMLVLDAE TVCLPKLVQGTWGPSGSSQSLYEICVCPDGKLYLSVAGVS TTC QEHSICL
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

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
UniProt ID	Q13326

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