

Product datasheet for **TP320093**

gamma Sarcoglycan (SGCG) (NM_000231) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein) (SGCG), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC220093 protein sequence
Red=Cloning site **Green**=Tags(s)

MVREQYTTATEGICIERPENQYVYKIGIYGWRKRCLYLFVLLLLLILVNLALTIWILKVMWFSPAGMGH
LCVTKDGLRLEGESEFLFPLYAKEIHSRVDSSLLQSTQNTVNARNSEGEVTGRLKVGPKMVEVQNQQF
QINSNDGKPLFTVDEKEVWVGTDKLRVTGPEGALFEHSVETPLVRADPFQDLRLESPTLSMDAPRGVH
IQAHAGKIEALSQMDILFHSSDGMLVLD AETVCLPKLVQGTWGPSGSSQSLYEICVCPDGKLYLSVAGVS
TTCQEHSICL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 32.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_000222](#)

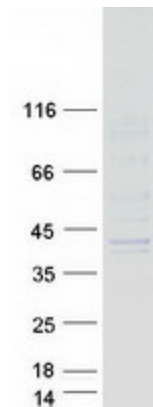
Locus ID: 6445



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UniProt ID:	Q13326
RefSeq Size:	1661
Cytogenetics:	13q12.12
RefSeq ORF:	873
Synonyms:	35DAG; A4; DAGA4; DMDA; DMDA1; gamma-SG; LGMD2C; LGMDR5; MAM; SCARMD2; SCG3
Summary:	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). [provided by RefSeq, Oct 2008]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), Viral myocarditis

Product images:



Coomassie blue staining of purified SGCG protein (Cat# TP320093). The protein was produced from HEK293T cells transfected with SGCG cDNA clone (Cat# [RC220093]) using MegaTran 2.0 (Cat# [TT210002]).