OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TP320093M

gamma Sarcoglycan (SGCG) (NM_000231) Human Recombinant Protein

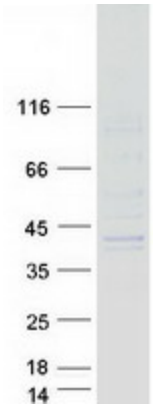
Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein) (SGCG), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220093 protein sequence Red=Cloning site Green=Tags(s) MVREQYTTATEGICIERPENQYVYKIGIYGWRKRCLYLFVLLLLIILVVNLALTIWILKVMWFSPAGMGH LCVTKDGLRLEGESEFLFPLYAKEIHSRVDSSLLLQSTQNVTVNARNSEGEVTGRLKVGPKMVEVQNQQF QINSNDGKPLFTVDEKEVVVGTDKLRVTGPEGALFEHSVETPLVRADPFQDLRLESPTRSLSMDAPRGVH IQAHAGKIEALSQMDILFHSSDGMLVLDAETVCLPKLVQGTWGPSGSSQSLYEICVCPDGKLYLSVAGVS TTCQEHSHICL 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

View online »

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]).