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Product datasheet for RC220093L4V

gamma Sarcoglycan (SGCG) (NM_000231) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	gamma Sarcoglycan (SGCG) (NM_000231) Human Tagged ORF Clone Lentiviral Particle
Symbol:	gamma Sarcoglycan
Synonyms:	35DAG; A4; DAGA4; DMDA; DMDA1; gamma-SG; LGMD2C; LGMDR5; MAM; SCARMD2; SCG3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000231
ORF Size:	873 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC220093).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_000231.1, NP_000222.1
RefSeq Size:	1661 bp
RefSeq ORF:	876 bp
Locus ID:	6445
UniProt ID:	Q13326
Cytogenetics:	13q12.12
Protein Families:	Druggable Genome, Transmembrane

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Protein Pathways:	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), Viral myocarditis
MW:	32.4 kDa
Gene 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]