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Product datasheet for RC204729L3V

delta Sarcoglycan (SGCD) (NM_000337) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	delta Sarcoglycan (SGCD) (NM_000337) Human Tagged ORF Clone Lentiviral Particle
Symbol:	delta Sarcoglycan
Synonyms:	35DAG; CMD1L; DAGD; LGMDR6; SG-delta; SGCDP; SGD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000337
ORF Size:	870 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204729).
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_000337.4
RefSeq Size:	9805 bp
RefSeq ORF:	873 bp
Locus ID:	6444
UniProt ID:	Q92629
Cytogenetics:	5q33.2-q33.3
Domains:	sarcoglycan
Protein Families:	Transmembrane

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Protein Pathways: Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), Viral myocarditis

MW: 32.2 kDa

Gene Summary: The protein encoded by this gene is one of the four known components of the sarcoglycan complex, which is a subcomplex of the dystrophin-glycoprotein complex (DGC). DGC forms a link between the F-actin cytoskeleton and the extracellular matrix. This protein is expressed most abundantly in skeletal and cardiac muscle. Mutations in this gene have been associated with autosomal recessive limb-girdle muscular dystrophy and dilated cardiomyopathy. Alternatively spliced transcript variants encoding distinct isoforms have been observed for this gene. [provided by RefSeq, Jul 2008]