

## Recombinant Human SGCD

**Cat. No.** SGCD-26997TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment of Human delta Sarcoglycan protein with an N terminal proprietary tag; Predicted MW 33.99 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	76 amino acids
<b>Description</b>	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.
<b>Molecular Weight</b>	33.990kDa
<b>Tissue specificity</b>	Most strongly expressed in skeletal and cardiac muscle. Also detected in smooth muscle. Weak expression in brain and lung.
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification

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<b>Storage buffer</b>	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	ILNDQTKVLTQLITGPKAVEAYGKKFEVKTVSGKLLFSADNNEVVVGAERLRVLGAE GTVFPKSIETPNVRADPFK
<b>Sequence Similarities</b>	Belongs to the sarcoglycan beta/delta/gamma/zeta family.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">SGCD sarcoglycan, delta (35kDa dystrophin-associated glycoprotein) [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">SGCD</a>
<b>Synonyms</b>	SGCD; sarcoglycan, delta (35kDa dystrophin-associated glycoprotein); sarcoglycan, delta (35kD dystrophin associated glycoprotein); delta-sarcoglycan; CMD1L; DAGD; LGMD2F;
<b>Gene ID</b>	<a href="#">6444</a>
<b>mRNA Refseq</b>	<a href="#">NM_000337</a>
<b>Protein Refseq</b>	<a href="#">NP_000328</a>
<b>MIM</b>	<a href="#">601411</a>
<b>Uniprot ID</b>	<a href="#">Q92629</a>

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**Chromosome  
Location**

5q33-q34

**Pathway**

Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Dilated cardiomyopathy, organism-specific biosystem; Dilated cardiomyopathy, conserved biosystem; Hypertrophic cardiomyopathy (HCM), organism-specific biosystem;

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