

## Recombinant Human SGCD, His-tagged

Cat. No. SGCD-7536H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human SGCD protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	57-289aa
<b>Antigen Description</b>	SGCD 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. The 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. In melanocytic cells SGCD gene expression may be regulated by MITF.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
<b>Molecular Mass</b>	28 kDa (257aa)
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH RSHMKVMNFT IDGMGNLRIT EKGLKLEGDS EFLQPLYAKE IQSRPGNALY FKSARNVTVN ILNDQTKVLT QLITGPKAVE AYGKKFEVKT VSGKLLFSAD NNEVVVGAER LRVLGAEGTV FPKSIETPNV

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RADPFKELRL ESPTRSLVME APKGVEINAE AGNMEATCRT ELRLESKDGE  
IKLDAAKIRL PRLPHGSYTP TGTRQKVFEI CVCANGRLFL SQAGAGSTCQ  
INTSVCL

**Purity** >85% as determined by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Concentration** 1 mg/ml

## GENE INFORMATION

**Gene Name** [SGCD sarcoglycan, delta \(35kDa dystrophin-associated glycoprotein\) \[ Homo sapiens \]](#)

**Official Symbol** SGCD

**Synonyms** SGCD; sarcoglycan, delta (35kDa dystrophin-associated glycoprotein); sarcoglycan, delta (35kD dystrophin associated glycoprotein); delta-sarcoglycan; CMD1L; DAGD; LGMD2F; delta-SG; placental delta sarcoglycan; 35 kDa dystrophin-associated glycoprotein; dystrophin associated glycoprotein, delta sarcoglycan; SGD; 35DAG; SGCDP; SG-delta; MGC22567;

**Gene ID** [6444](#)

**mRNA Refseq** [NM\\_000337](#)

**Protein Refseq** [NP\\_000328](#)

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<b>MIM</b>	601411
<b>UniProt ID</b>	Q92629
<b>Chromosome Location</b>	5q33-q34
<b>Pathway</b>	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; Hypertrophic cardiomyopathy (HCM), conserved biosystem; Viral myocarditis, organism-specific biosystem;

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