

Recombinant Human SGCD, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human SGCD protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	57-289aa
Antigen Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	28 kDa (257aa)
AA Sequence	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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MIM	601411
UniProt ID	Q92629
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; Hypertrophic cardiomyopathy (HCM), conserved biosystem; Viral myocarditis, organism-specific biosystem;

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