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# Recombinant human delta Sarcoglycan/SGCD protein

Catalog Number: ATGP1980

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

57-289aa

#### UniProt No.

092629

#### **NCBI Accession No.**

NP 001121681

#### **Alternative Names**

Delta-sarcoglycan, 35DAG, CMD1L, DAGD, SG-delta, SGCDP, SGD, LGMD2F, Delta-SG

# PRODUCT SPECIFICATION

### **Molecular Weight**

28.1 kDa (257aa)

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

#### **Purity**

> 85% by SDS-PAGE

#### Tag

His-Tag

#### **Application**

SDS-PAGE, Denatured

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

SGCD is one of the four known components of the sarcoglycan complex, which is a subcomplex of the dystrophinglycoprotein 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. Recombinant human SGCD protein, fused to His-tag at N-terminus, was



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expressed in E. coli.

# **Amino acid Sequence**

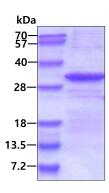
<MGSSHHHHHH SSGLVPRGSH RSHM>KVMNFT IDGMGNLRIT EKGLKLEGDS EFLQPLYAKE IQSRPGNALY FKSARNVTVN ILNDQTKVLT QLITGPKAVE AYGKKFEVKT VSGKLLFSAD NNEVVVGAER LRVLGAEGTV FPKSIETPNV RADPFKELRL ESPTRSLVME APKGVEINAE AGNMEATCRT ELRLESKDGE IKLDAAKIRL PRLPHGSYTP TGTRQKVFEI CVCANGRLFL SQAGAGSTCQ INTSVCL

# **General References**

Sylvius N, Duboscq-Bidot L, et al. (2003). Am J Med Genet A. 120A(1):8-12.

# **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

