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# SGCD Human

**Catalog #:**PRPS-1380

For research use only.

**Description:**SGCD Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 257 amino acids (57-289a.a) and having a molecular mass of 28kDa. SGCD is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Synonyms:**35DAG, CMD1L, DAGD, SG-delta, SGCDP, SGD, Delta-sarcoglycan, 35 kDa dystrophin-associated glycoprotein.

**Source:**E.coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH RSHMKVMNFT IDGMGNLRIT EKGLKLEGDS EFLQPLYAKE IQSRPGNALY FKSARNVTVN ILNDQTKVLT QLITGPKAVE AYGKKFEVKT VSGKLLFSAD NNEVVVGAER LRVLGAEGTV FPKSIETPNV RADPFKELRL ESPTRSLVME APKGVEINAE AGNMEATCRT ELRLESKDGE IKLDAAKIRL PRLPHGSYTP TGTRQKVFEI CV

**Purity:**Greater than 85% as determined by SDS-PAGE.

**Formulation:**
SGCD protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

**Stability:**
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

**Usage:**
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**
Sarcoglycan Delta (SGCD) is one of the four known components of the sarcoglycan complex, which is a subcomplex of the dystrophin-glycoprotein complex (DGC) and is expressed mainly in skeletal and cardiac muscle. DGC forms a link between the F-actin cytoskeleton and the extracellular matrix. SGCD proteins mutations have been associated with autosomal recessive limb-girdle muscular dystrophy and dilated cardiomyopathy. SGCD gene expression is regulated by MITF In melanocytic cells.

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