
SGCD, 57-289aa, Human, His tag, E.coli**Cat.NO.: TP03919**

3th Edition

Synonyms:Delta-sarcoglycan, 35DAG, CMD1L, DAGD, SG-delta, SGCDP, SGD**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. Recombinant human SGCD protein, fused to His-tag at N-terminus, was expressed in E.coli.**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol**Molecular Weight:**28 kDa (257aa)**Sequences:**MGSSHHHHHSSGLVPRGSHRSHMKVMNFTIDGMGNLRITEKGLKLEGDSEFLQPLYAKEIQSRPGNALYFKSAR
NVTVNILNDQTKVLTQLITGPKAVEAYGKKFEVKTVSGKLLFSADNNEVVGAERLRVLGAEGTVFPKSIETPNVRA
DPFKELRLESPTSLVMEAPKGV EINAEAGNMEATCRTELRLSKDGEIKLDAAKIRLPRLPHGSYPTPTGTRQKVFEI
CVCANGRLFLSQAGAGSTCQINTSVCL**Purity:**> 95% by HPLC**Concentration:**1 mg/ml (determined by Bradford assay)**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)**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.