Recombinant Human SGCB, His-tagged

Cat. No. SGCB-75H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SGCB protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
Description	SGCB also known as beta-sarcoglycan, is a member of the sarcoglycan family. Sarcoglycans are transmembrane components in the dystrophin-glycoprotein complex which help stabilize the muscle fiber membranes and link the muscle cytoskeleton to the extracellular matrix. Mutations in this gene have been associated with limb-girdle muscular dystrophy.
Form	Liquid, In 20mM Tris-HCl buffer(pH8.0) containing 10% glycerol
Molecular Mass	27.8kDa (255aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSWAVIRIG PNGCDSMEFH ESGLLRFKQV SDMGVIHPLY KSTVGGRRNE NLVITGNNQP IVFQQGTTKL SVENNKTSIT SDIGMQFFDP RTQNILFSTD YETHEFHLPS GVKSLNVQKA STERITSNAT SDLNIKVDGR AIVRGNEGVF IMGKTIEFHM GGNMELKAEN SIILNGSVMV STTRLPSSSS GDQLGSGDWV RYKLCMCADG TLFKVQVTSQ NMGCQISDNP CGNTH
Purity	>90% by SDS - PAGE

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Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	SGCB sarcoglycan, beta (43kDa dystrophin-associated glycoprotein) [Homo sapiens]
Official Symbol	SGCB
Synonyms	SGCB; sarcoglycan, beta (43kDa dystrophin-associated glycoprotein); LGMD2E, sarcoglycan, beta (43kD dystrophin associated glycoprotein); beta-sarcoglycan; A3b; SGC; 43DAG; beta-SG; 43 kDa dystrophin-associated glycoprotein; limb girdle muscular dystrophy 2E (non-linked families); beta-sarcoglycan(43kD dystrophin-associated glycoprotein); LGMD2E;
Gene ID	6443
mRNA Refseq	NM_000232
Protein Refseq	NP_000223
MIM	600900
UniProt ID	Q16585
Chromosome Location	4q12

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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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