

Recombinant Full Length Human SGCB Protein, C-Flag-tagged

Cat. No. SGCB-173HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SGCB Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes 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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	34.6 kDa
AA Sequence	MAAAAAAAAAEQSSNGPVKKSMREKAVERRSVNKEHNSNFKAGYIPIDEDRLHKTG LRGRKGNLAICVII LLFILAVINLIITLVIWAVIRIGPNGCDSMEFHESGLLRFKQVSDMG VIHPLYKSTVGGRRNENLVITGN NQPIVFQQGTTKLSVENNKTSITSDIGMQFFDPRT QNILFSTDYETHEFHLP SGVKSLNVQKASTERITS NATSDLNKVDGRAIVRGNEG VF IMGKTIEFHMGGNMELKAENSIILNGSVMVSTTRLPSSSSGDQLGSG DWVRYKLCMCADGTLFKVQVTSQNMGCQISDNPCGNTHTRTRPLEQKLISEEDLAA NDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), Viral myocarditis
Full Length	Full L.

GENE INFORMATION

Gene Name	SGCB sarcoglycan beta [Homo sapiens (human)]
Official Symbol	SGCB
Synonyms	A3b; SGC; LGMD2E; LGMDR4
Gene ID	6443
mRNA Refseq	NM_000232.5

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Protein Refseq	NP_000223.1
MIM	600900
UniProt ID	Q16585

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