

Recombinant Human SGCB Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SGCB-6512H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SGCB MS Standard C13 and N15-labeled recombinant protein (NP_000223) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	34.8 kDa
AA Sequence	MAAAAAAAAAEQSSNGPVKKSMREKAVERRSVNKEHNSNFKAGYIPIDEDRLHKTG LRGRKGNLAICVILLFILAVINLIITLVIWAVIRIGPNGCDSMEFHESGLLRFKQVSDMG VIHPLYKSTVGGRNENLVITGNNQPIVFQQGTTKLSVENNKTSITSDIGMQFFDPRT QNILFSTDYETHEFHLP SGVKSLNVQKASTERITSNATSDLNKVDGRAIVRGNEGVFI MGKTIEFHMGGNMELKAENSIILNGSVMVSTTRLPSSSSGDQLGSGDWVRYKLCMC ADGTLFKVQVTSQNMGCQISDNPCGNTHTRTRPLEQKLISEEDLAANDILDYKDDDD KV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SGCB sarcoglycan beta [Homo sapiens (human)]
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

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SDS-PAGE

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