

SGCB, 87-318aa , Human, His tag, E.coli

Cat.NO.: TP03918

3th Edition

Synonyms:Beta-sarcoglycan, A3b, LGMD2E, SGC

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. Recombinant human SGCB protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid, In 20mM Tris-HCl buffer(pH8.0) containing 10% glycerol

Molecular Weight:27.8kDa (255aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSWAVIRIGPNGCDSMEFHESGLLRFKQVSDMGVIHPLYKSTVGGRRNENLVIT
GNNQPIVFQQGTTKLSVENNKTSITSDIGMQFFDPRTQNILFSTDYETHEFHLP SGVKSLNVQKASTERITSNATSDL
NIKVDGRAIVRGNEGVFIMGKTIEFHMGGNMELKAENSIILNGSVMVSTTRLPSSSSGDQLGSGDWVRYKLCMCAD
GTLFKVQVTSQNMGCQISDNPCGNTH

Purity:> 95% by HPLC

Concentration:0.5mg/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.