

Recombinant human beta-Sarcoglycan/SGCB protein

Catalog Number: ATGP3095

PRODUCT INFORMATION

Expression system

E.coli

Domain

87-318aa

UniProt No.

Q16585

NCBI Accession No.

NP_000223

Alternative Names

Beta-sarcoglycan, A3b, LGMD2E, SGC, Beta-SG, 43 kDa dystrophin-associated glycoprotein, 43DAG

PRODUCT SPECIFICATION

Molecular Weight

27.8 kDa (255aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>WAVIRIG PNGCDSMEFH ESGLLRFKQV SDMGVIHPLY KSTVGGRRNE

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NLVITGNNQP IVFQQGTTKL SVENNKTSIT SDIGMQFFDP RTQNILFSTD YETHEFHLPV GVKSLNVQKA STERITSNAT
SDLNIKVDGR AIVRGNEGVF IMGKTIEFHM GGNMELKAEN SIILNGSVMV STTRLPSSSS GDQLGSGDWV RYKLCMCADG
TLFKVQVTSQ NMGCQISDNP CGNTH

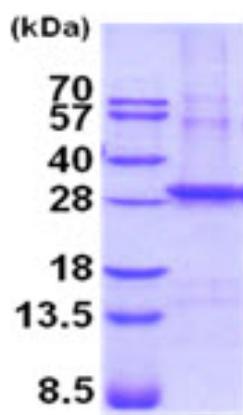
General References

Lim L.E., et al. (1995) Nat. Genet. 11:257-265

Bonnemann C.G., et al. (1996) Hum. Mol. Genet. 5:1953-1961

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)