

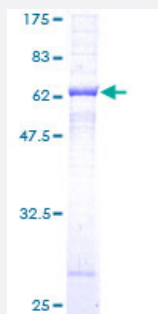
Full-Length

SGCB (Human) Recombinant Protein (P01)

Catalog # H00006443-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SGCB full-length ORF (AAH20709, 1 a.a. - 318 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAAAAAAAAEQSSNGPVKKSMREKAVERRSVNKEHNSNFKAGYIPIDEDRLHKTGLRGRKGNL
AICVILLFILAVINLIITLVWAVIRIGPNGCDSMEFHESGLLRFKQVSDMGVIHPLYKSTVGGRRNENL
VITGNNQPIVFQQGTTKLSVENNKTSITSDIGMQFFDPRTQNILFSTDYETHEFHLP SGVKSLNVQKA
STERITSNATSDLNIKVDGRAMRGNEGVFIMGKTIEFHMGGNMELKAENSIILNGSVMVSTTRL PSS
SSG DQLGSGDWVRYKLCMCADGTLFKVQVTSQNMGCQISDNPCGNTH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

60.72

Interspecies Antigen Sequence

Mouse (95); Rat (95)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SGCB

Entrez GeneID[6443](#)**GeneBank Accession#**[BC020709](#)**Protein Accession#**[AAH20709](#)**Gene Name**

SGCB

Gene Alias

A3b, LGMD2E, SGC

Gene Description

sarcoglycan, beta (43kDa dystrophin-associated glycoprotein)

Omim ID[600900 604286](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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

Other Designations

OTTHUMP00000158880|beta-sarcoglycan(43kD dystrophin-associated glycoprotein)|limb girdle muscular dystrophy 2E (non-linked families)|sarcoglycan, beta|sarcoglycan, beta (43kD dystrophin-associated glycoprotein)

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)