

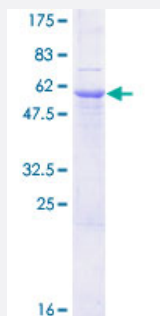
Full-Length

SGCG (Human) Recombinant Protein (P01)

Catalog # H00006445-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SGCG full-length ORF (NP_000222.1, 1 a.a. - 291 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MVREQYTTATEGICIERPENQYVYKIGYGWRKRCLYFVLLLLILVNLALTWILKVMWFSPAGMG
HLCVTKDGLRLEGSEFLFPLYAKEIHSRVDSSLLQSTQNVTNARNSEGEVTGRLKVGPKMVE
VQNQQFQINSNDGKPLFTVDEKEVVVGTDKLRVTGPEGALFEHSVETPLVRADPFQDLRLSPT
RSLMDAPRGVHIQAHAGKIEALSQMDILFHSSDGMLVDAETVCLPKLVQGTWGPSGSSQSLY
EICVCPDGKLYLSVAGVSTTCQEHSICL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

58.8

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 — SGCG

Entrez GeneID	6445
GeneBank Accession#	NM_000231.1
Protein Accession#	NP_000222.1
Gene Name	SGCG
Gene Alias	A4, DAGA4, DMDA, DMDA1, LGMD2C, MAM, MGC130048, SCARMD2, SCG3, TYPE
Gene Description	sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein)
Omim ID	253700 608896
Gene Ontology	Hyperlink
Gene Summary	This gene encodes gamma-sarcoglycan, one of several sarcolemmal transmembrane glycoproteins that interact with dystrophin. The dystrophin-glycoprotein complex (DGC) spans the sarcolemma and is comprised of dystrophin, syntrophin, alpha- and beta-dystroglycans and sarcoglycans. The DGC provides a structural link between the subsarcolemmal cytoskeleton and the extracellular matrix of muscle cells. Defects in the encoded protein can lead to early onset autosomal recessive muscular dystrophy, in particular limb-girdle muscular dystrophy, type 2C (LGMD2C). [provided by RefSeq]
Other Designations	35kD dystrophin-associated glycoprotein OTTHUMP00000018112 gamma sarcoglycan sarcoglycan, gamma (35kD dystrophin-associated glycoprotein)

Pathway

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

- [Hypertrophic cardiomyopathy \(HCM\)](#)

Disease

- [Muscular Dystrophies](#)
- [Tobacco Use Disorder](#)