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Product datasheet for PH306577

alpha Sarcoglycan (SGCA) (NM_000023) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SGCA MS Standard C13 and N15-labeled recombinant protein (NP_000014)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206577
Predicted MW:	42.9 kDa
Protein Sequence:	>RC206577 protein sequence Red=Cloning site Green=Tags(s) MAETLFWTPLLVVLLAGLGDTEAQQTTLHPLVGRVFVHTLDHETFLSLPEHVAVPPAVHITYHAHLQGHP DLPRWLRYTQRSPHHPGFLYGSATPEDRGLQVIEVTAYNRDSFDTTRQRLVLEIGDPEGPLLPYQAEFLV RSHDAEEVLPSTPASRFLSALGGLWEPGELQLLNVTSALDRGGRVPLPIEGRKEGVYIKVGSASPFSTCL KMVASPDSHARCAQGQPPLLSCYDTLAPHFRVDWCNVTLVDKSVPEPADEVPTPGDGILEHDPFFCPPTE APDRDFLVDALVTLLVPLLVALLLTLLLAYVMCCRREGRLKRDLATSDIQMVHHCTIHGNTEELRQMAAS REVPRPLSTLPMFNVHTGERLPPRVDSAQVPLILDQH TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000014
RefSeq Size:	1441
RefSeq ORF:	1161
Synonyms:	50DAG; adhalin; ADL; DAG2; DMDA2; LGMD2D; LGMDR3; SCARMD1
Locus ID:	6442

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UniProt ID: Q16586, A0A0S2Z4Q1

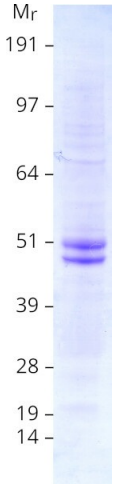
Cytogenetics: 17q21.33

Summary: This gene encodes a component of the dystrophin-glycoprotein complex (DGC), which is critical to the stability of muscle fiber membranes and to the linking of the actin cytoskeleton to the extracellular matrix. Its expression is thought to be restricted to striated muscle. Mutations in this gene result in type 2D autosomal recessive limb-girdle muscular dystrophy. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), Viral myocarditis

Product images:



Coomassie blue staining of purified SGCA protein (Cat# [TP306577]). The protein was produced from HEK293T cells transfected with SGCA cDNA clone (Cat# [RC206577]) using MegaTran 2.0 (Cat# [TT210002]).