

Product datasheet for **TP306577M**

alpha Sarcoglycan (SGCA) (NM_000023) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human sarcoglycan, alpha (50kDa dystrophin-associated glycoprotein) (SGCA), transcript variant 1, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC206577 protein sequence
Red=Cloning site **Green**=Tags(s)

MAETLFWTPLLVLLAGLGDTEAQQTTLHPLVGRVVFHTLDHETFLSLPEHVAVPPAVHITYHAHLQGH
DLPRWLRYTQRSPHHPGFLYGSATPEDRGLQVIEVTAYNRDSFDTRQLVLEIGDPEGPLPYQAEFLV
RSHDAEEVLPSTPASRFLSALGGLWEPGELQLLNVTSAIDRGGRVPLPIEGRKEGVYIKVGSASPFSTCL
KMVASPDSHARCAQGQPPLLSCYDTLAPHRVDWCNVTLVDKSVPEPADEVPTPGDGILEHDPFFCPPT
APDRDFLVDALVTLVPLLVALLLTLLAYVMCCRREGRLKRDLATSDIQMVHHTIHNTEELRQMAAS
REVPRPLSTLPMFNVHTGERLPPRVDSAQVPLILDQH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 40.4 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_000014](#)



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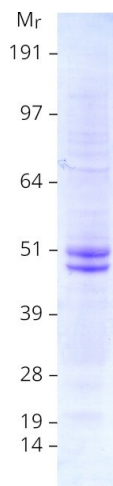
| | |
|---------------|---|
| Locus ID: | 6442 |
| UniProt ID: | Q16586 , A0A0S2Z4Q1 |
| RefSeq Size: | 1441 |
| Cytogenetics: | 17q21.33 |
| RefSeq ORF: | 1161 |
| Synonyms: | 50DAG; adhalin; ADL; DAG2; DMDA2; LGMD2D; LGMDR3; SCARMD1 |

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]).