abcam

Product datasheet

Recombinant Human alpha Sarcoglycan protein ab132339

1 Image

Description

Product name	Recombinant Human alpha Sarcoglycan protein
Expression system	Wheat germ
Accession	Q16586
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MAETLFWTPLLVVLLAGLGDTEAQQTTLHPLVGRVFVHTL DHETFLSLPE HVAVPPAVHITYHAHLQGHPDLPRWLRYTQRSPHHPGFLY GSATPEDRGL QVIEVTAYNRDSFDTTRQRLVLEIGDPEGPLLPYQAEFLVR SHDAEEVLP STPASRFLSALGGLWEPGELQLLNVTSALDRGGRVPLPIE GRKEGVYIKV GSASPFSTCLKMVASPDSHARCAQGQPPLLSCYDTLAPH FRVDWCNVTLV DKSVPEPADEVPTPGDGILEHDPFFCPPTEAPDRDFLVD ALVTLLVPLLV ALLLTLLLAYVMCCRREGRLKRDLATSDIQMVHHCTIHGNT EELRQMAAS REVPRPLSTLPMFNVHTGERLPPRVDSAQVPLILDQH
Predicted molecular weight	69 kDa including tags
Amino acids	1 to 387

Specifications

Our Abpromise guarantee covers the use of **ab132339** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA
	Western blot

	SDS-PAGE
Form	Liquid

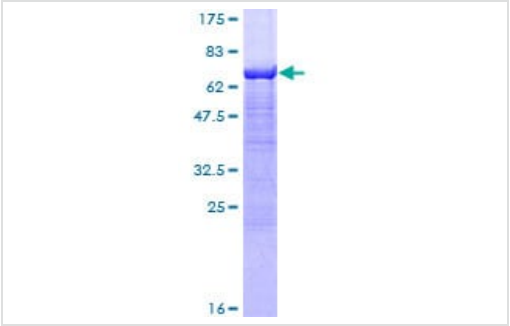
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Component of the sarcoglycan complex, a subcomplex of the dystrophin-glycoprotein complex which forms a link between the F-actin cytoskeleton and the extracellular matrix.
Tissue specificity	Most strongly expressed in skeletal muscle. Also expressed in cardiac muscle and, at much lower levels, in lung. In the fetus, most abundant in cardiac muscle and, at lower levels, in lung. Also detected in liver and kidney. Not expressed in brain.
Involvement in disease	Defects in SGCA are the cause of limb-girdle muscular dystrophy type 2D (LGMD2D) [MIM:608099]; also known as Duchenne-like muscular dystrophy autosomal recessive type 2 or severe childhood autosomal recessive muscular dystrophy (SCARMD). LGMD2D is an autosomal recessive degenerative myopathy characterized by progressive muscle wasting from early childhood with loss of independent ambulation by teenage years. Muscle biopsy shows necrosis, decreased immunostaining for alpha sarcoglycan, and adhalin deficiency. The phenotype is less severe than LGMD2C.
Sequence similarities	Belongs to the sarcoglycan alpha/epsilon family.
Cellular localization	Cell membrane > sarcolemma. Cytoplasm > cytoskeleton.

Images



SDS-PAGE - Recombinant Human alpha Sarcoglycan protein (ab132339)

12.5% SDS-PAGE analysis of ab132339 stained with Coomassie Blue.

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