

Recombinant Human Syntrophin alpha 1 protein ab116180

画像数 1

製品の詳細

製品名	Recombinant Human Syntrophin alpha 1 protein
精製度	> 85 % SDS-PAGE. ab116180 was purified using conventional chromatography techniques.
発現系	Escherichia coli
アクセッション番号	<u>Q13424</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	MGSSHHHHHSSGLVPRGSHMGSMASGRRAPRTGLLELRAGA GSGAGGER WQRVLLSLAEDVLTVSPADGDPGPEPGAPREQEPAQLNGAAE PGAGPPQL PEALLLQRRRVTVRKADAGGLGISIKGGRENKMPILISKIFK GLAADQTE ALFVGDAILSVNGEDLSSATHDEAVQVLKKTGKEVVLEVKYM KDVSPYFK NSTGGTSVGWDSPPASPLQRQPSSPGPTPRNFSEAKHMSLKM AYVSKRCT PNDPEPRYLEICSADGQDTLFLRAKDEASARSWATAIQAQVN TLTPRVKD ELQALLAATSTAGSQDIKQIGWLTEQLPSGGTAPTLLALLTEK ELLLYLSL PETREALSRPARTAPLIATRLVHSGPSKGSVPYDAELSFALR TGTRHGVD THLFSVESPQELAAWTRQLVDGCHRAAEGVQEVSTACTWNGR PCSLSVHI DKGFTLWAAEPGAARAVLLRQPFEKLMSSDDGASLLFLDFG GAEGEIQL DLHSCPKTIVFIIHSFLSAKVTRLGLLA
予測される分子量	56 kDa including tags
領域	1 to 505
タグ	His tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab116180** in the following tested applications.

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

アプリケーション	Mass Spectrometry
	SDS-PAGE
質量分析	MALDI-TOF
製品の状態	Liquid

前処理および保存

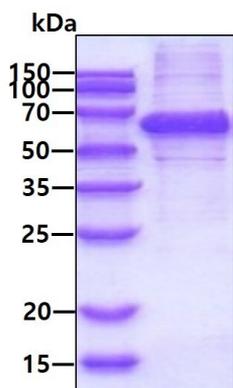
保存方法および安定性	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.88% Sodium chloride
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関連情報

機能	Adapter protein that binds to and probably organizes the subcellular localization of a variety of membrane proteins. May link various receptors to the actin cytoskeleton and the extracellular matrix via the dystrophin glycoprotein complex. Plays an important role in synapse formation and in the organization of UTRN and acetylcholine receptors at the neuromuscular synapse. Binds to phosphatidylinositol 4,5-biphosphate.
組織特異性	High expression in skeletal muscle and heart. Low expression in brain, pancreas, liver, kidney and lung. Not detected in placenta.
関連疾患	Defects in SNTA1 are the cause of long QT syndrome type 12 (LQT12) [MIM:612955]. A heart disorder characterized by a prolonged QT interval on the ECG and polymorphic ventricular arrhythmias. They cause syncope and sudden death in response to exercise or emotional stress, and can present with a sentinel event of sudden cardiac death in infancy.
配列類似性	Belongs to the syntrophin family. Contains 1 PDZ (DHR) domain. Contains 2 PH domains. Contains 1 SU (syntrophin unique) domain.
ドメイン	The PH 1 domain mediates the oligomerization in a calcium dependent manner, and the association with the phosphatidylinositol 4,5-biphosphate. The PDZ domain binds to the last three or four amino acids of ion channels and receptor proteins. The association with dystrophin or related proteins probably leaves the PDZ domain available to recruit proteins to the membrane. The SU domain binds calmodulin in a calcium-dependent manner.
翻訳後修飾	Phosphorylated by CaM-kinase II. Phosphorylation may inhibit the interaction with DMD.
細胞内局在	Cell membrane > sarcolemma. Cell junction. Cytoplasm > cytoskeleton. In skeletal muscle, it localizes at the cytoplasmic side of the sarcolemmal membrane and at neuromuscular junctions.

画像

SDS-PAGE analysis of ab116180 (3µg).



SDS-PAGE - Recombinant Human Syntrophin alpha
1 protein (ab116180)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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