

Product datasheet

Recombinant human MYLK2 protein ab84800

画像数 2

製品の概要

製品名	Recombinant human MYLK2 protein
タンパク質長	Full length protein

法規制情報

カルタヘナ法

製品の詳細

由来	Recombinant
由来	Baculovirus infected Sf9 cells
アミノ酸配列	
生物種	Human

特性

Our [Abpromise guarantee](#) covers the use of **ab84800** in the following tested applications.

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

生理活性	Specific activity: 270nmol/min/mg.
アプリケーション	Western blot Functional Studies
製品の状態	Liquid
備考	ab60014 (Mouse MYL9 full length protein) can be utilized as a substrate for assessing Kinase activity

前処理および保存

保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.00 Preservative: 1.02% Imidazole
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Constituents: 0.00174% PMSF, 0.82% Sodium phosphate, 0.00308% DTT, 25% Glycerol, 1.74% Sodium chloride

This product is an active protein and may elicit a biological response in vivo, handle with caution.

関連情報

機能 Implicated in the level of global muscle contraction and cardiac function. Phosphorylates a specific serine in the N-terminus of a myosin light chain.

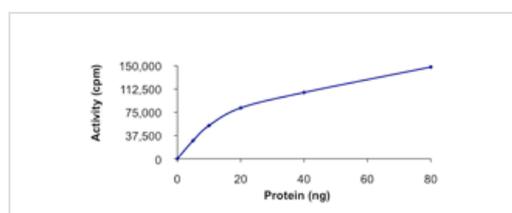
組織特異性 Heart and skeletal muscles. Increased expression in the apical tissue compared to the interventricular septal tissue.

関連疾患 Defects in MYLK2 are a cause of familial hypertrophic cardiomyopathy (CMH) [MIM:192600]; also designated FHC or HCM. Familial hypertrophic cardiomyopathy is a hereditary heart disorder characterized by ventricular hypertrophy, which is usually asymmetric and often involves the interventricular septum. The symptoms include dyspnea, syncope, collapse, palpitations, and chest pain. They can be readily provoked by exercise. The disorder has inter- and intrafamilial variability ranging from benign to malignant forms with high risk of cardiac failure and sudden cardiac death.

配列類似性 Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. Contains 1 protein kinase domain.

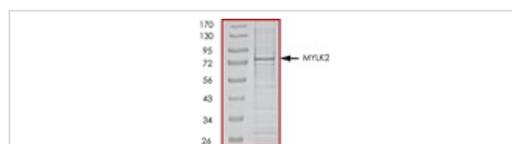
細胞内局在 Cytoplasm. Colocalizes with phosphorylated myosin light chain (RLCP) at filaments of the myofibrils.

画像



Specific activity of ab84800

Functional Studies - MYLK2 protein (Active)
(ab84800)



SDS page analysis of ab84800

SDS-PAGE - MYLK2 protein (Active) (ab84800)

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