abcam

Product datasheet

Recombinant Human Calsequestrin 2 protein ab93736

画像数1

製品の詳細

製品名 Recombinant Human Calsequestrin 2 protein

精製度 > 95 % SDS-PAGE.

ab93736 was purified using conventional chromatography techniques.

発現系 Escherichia coli

タンパク質長 Full length protein

Animal free No.

由来 Recombinant

生物種 Human

配列 MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD

KQVLKKYDLL CLYYHEPVSS DKVTQKQFQL
KEIVLELVAQ VLEHKAIGFV MVDAKKEAKL
AKKLGFDEEG SLYILKGDRT IEFDGEFAAD
VLVEFLLDLI EDPVEIISSK LEVQAFERIE
DYIKLIGFFK SEDSEYYKAF EEAAEHFQPY
IKFFATFDKG VAKKLSLKMN EVDFYEPFMD
EPIAIPNKPY TEEELVEFVK EHQRPTLRRL
RPEEMFETWE DDLNGIHIVA FAEKSDPDGY
EFLEILKQVA RDNTDNPDLS ILWIDPDDFP
LLVAYWEKTF KIDLFRPQIG VVNVTDADSV
WMEIPDDDDL PTAEELEDWI EDVLSGKINT
EDDDEDDDDDD DNSDEEDNDD SDDDDDE

KDRWGSMEEG LNFPTYDGKD RVVSLSEKNF

特性

Our $\underline{\mbox{Abpromise guarantee}}$ covers the use of $\mbox{ab93736}$ 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 SDS-PAGE

製品の状態 Liquid

前処理および保存

1

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: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

関連情報

機能 Calsequestrin is a high-capacity, moderate affinity, calcium-binding protein and thus acts as an

internal calcium store in muscle. The release of calcium bound to calsequestrin through a calcium

release channel triggers muscle contraction. Binds 40 to 50 moles of calcium.

関連疾患 Defects in CASQ2 are the cause of catecholaminergic polymorphic ventricular tachycardia type 2

(CPVT2) [MIM:611938]; also known as stress-induced polymorphic ventricular tachycardia (VTSIP). CPVT2 is an autosomal recessive form of arrhythmogenic disorder characterized by stress-induced, bidirectional ventricular tachycardia that may degenerate into cardiac arrest and

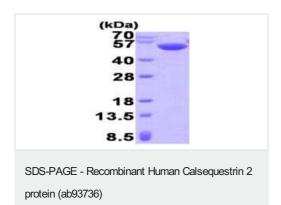
cause sudden death.

配列類似性 Belongs to the calsequestrin family.

細胞内局在 Sarcoplasmic reticulum lumen. This isoform of calsequestrin occurs in the sarcoplasmic

reticulum's terminal cisternae luminal spaces of cardiac and slow skeletal muscle cells.

画像



15% SDS-PAGE analysis of ab93736 (3µg)

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