

# 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	<p>MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD</p> <p>KDRWGSMEEG LNFPTYDGKD RVVSLSEKNF</p> <p>KQVLKKYDLL CLYYHEPVSS DKVTQKQFQL</p> <p>KEIVLELVAQ VLEHKAIGFV MVDAKKEAKL</p> <p>AKKLGFDDEG SLYILKGDRT IEFDGFEAAD</p> <p>VLVEFLDLI EDPVEIISK LEVQAFERIE</p> <p>DYIKLIGFFK SEDSEYYKAF EEAAEHFQPY</p> <p>IKFFATFDKG VAKKLSLKMN EVDFYEPFMD</p> <p>EPIAIPNKPY TEEELVEFVK EHQRPTLRR</p> <p>RPEEMFETWE DDLNGIHIVA FAEKSDPDGY</p> <p>EFLEILKQVA RDNTDNPDL ILWIDPDDFP</p> <p>LLVAYWEKTF KIDLFRPQIG VVNVTDADSV</p> <p>WMEIPDDDDL PTAEELDWI EDVLSGKINT</p> <p>EDDEDDDDDD DNSDEEDNDD SDDDDDE</p>

### 特性

Our **Abpromise guarantee** covers the use of **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

## 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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