

Product datasheet

Recombinant Human Sarcomeric Alpha Actinin protein ab92234

1 图像

概述

产品名称	重组人Sarcomeric Alpha Actinin蛋白
蛋白长度	Protein fragment

描述

性质	Recombinant
来源	Escherichia coli

氨基酸序列

种属	Human
序列	<p>QAETAANRICKVLAVNQENERLMEEYERLASELLEWIRRTIPWLENRTPE            KTM            QAMQKKLEDFRDYRRKHKPPKVQEKCLEINFNTLQTKLRISNRP            AFMPSEGK            MVSDIAGAWQRLEQAEKGYEEWLLNEIRRLERLEHLAEKF            RQKASTHETWAYG            KEQILLQKDYESASLTEVRALLRKHEAFESDLAAH            QDRVEQIAAIAQELNELD            YHDAVNVNDRQCQICDQWDRLGTLTQKRRE            ALERMEKLLLETIDQLHLEFAKRA            APFNNWMEGAMEDLQDMFIVHSIEE            IQSLITAHEQFKATLPEADGERQSIMAI            QNEVEKVIQSYNIRISSNP            YSTVTMDELRTKWDKVKQLVPIRDQSLQEELAR            QHANERLRRQFAAQA            NAIGPWIQNKMEEIARSSIQITGALEDQMNQLKQYEHN            IINYKNNIDK            LEGDHLIQEALVFDNKHTNYTMEHIRVWELLLTTIARTINE            VETQI            LTRDAKGITQEQMNEFRASFNHFDRRKNGLMDHEDFRACLISMGYDLG            EAEFARIMTLVDPNGQGTVTQSFIDFMTRETADTDTAEQVIASFRILAS            DKP            YILAEELRRELPPDQAQYCIKRMPAYSGPGSVPGALDYAAFSS</p>

氨基酸	261 to 886
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## 技术指标

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Our [Abpromise guarantee](#) covers the use of **ab92234** in the following tested applications.

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

**应用** SDS-PAGE

**形式** Lyophilised

## 制备和贮存

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**稳定性和存储** Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

Preservative: None

Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

**复溶** Reconstitution with 136 µl aqua dest.

## 常规信息

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**功能** F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein.

**组织特异性** Expressed in both skeletal and cardiac muscle.

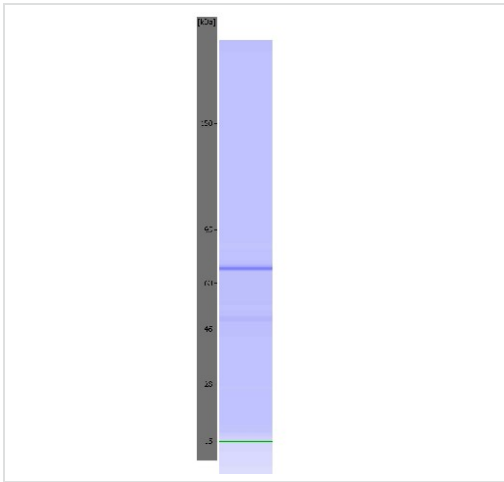
**疾病相关** Defects in ACTN2 are the cause of cardiomyopathy dilated type 1AA (CMD1AA) [MIM:612158]. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.

**序列相似性** Belongs to the alpha-actinin family.  
Contains 1 actin-binding domain.  
Contains 2 CH (calponin-homology) domains.  
Contains 2 EF-hand domains.  
Contains 4 spectrin repeats.

**细胞定位** Cytoplasm > myofibril > sarcomere > Z line. Colocalizes with MYOZ1 and FLNC at the Z-lines of skeletal muscle.

## 图片

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SDS-PAGE - Sarcomeric Alpha Actinin protein  
(Tagged-His Tag) (ab92234)

The image shows an electrophoretic assay performed using an Agilent 5100 ALP. In some images coloured control bands can be seen at 15 kDa (green) and/or 240 kDa (purple). The protein-specific band is blue.

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