

Recombinant human Calstabin-2 protein ab113596

1 图像

描述	
产品名称	重组人Calstabin-2蛋白
生物活性	Specific activity is > 800nmol/min/mg, and is defined as the amount of enzyme cleaves 1nmole of suc-AAPF-pNA per minute at 37C in Tris-HCl pH 8.0 using chymotrypsin.
纯度	> 90 % SDS-PAGE. ab113596 was purified using conventional chromatography.
表达系统	Escherichia coli
Accession	P68106
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MGSSHHHHHSSGLVPRGSHRSMGVEIETISPGDGRTFPK KGQTCVVHYT GMLQNGKKFDSSDRNKPFKFRIGKQEVIKGFEEGAAQMSLG QRAKLTCT PDVAYGATGHPGVIPP NATLIFDVELLNLE
预测分子量	14 kDa including tags
氨基酸	1 to 108
标签	His tag N-Terminus

技术指标	
Our Abpromise guarantee covers the use of ab113596 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 Functional Studies Mass Spectrometry
质谱法	MALDI-TOF
形式	Liquid
补充说明	This product was previously labelled as FKBP1B

制备和贮存

稳定性和存储

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, 20% Glycerol (glycerin, glycerine)

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

常规信息

功能

Associates with the ryanodine receptor (RYR-2) in cardiac muscle sarcoplasmic reticulum and may play a unique physiological role in excitation-contraction coupling in cardiac muscle. There are four molecules of FKBP12.6 per heart muscle RYR. Has the potential to contribute to the immunosuppressive and toxic effects of FK506 and rapamycin. PPlases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.

组织特异性

Isoform 1 and isoform 2 are Ubiquitous with highest levels in brain and thymus.

序列相似性

Belongs to the FKBP-type PPlase family. FKBP1 subfamily.

Contains 1 PPlase FKBP-type domain.

细胞定位

Cytoplasm.

图片



15% SDS-PAGE analysis of ab113596 (3µg)

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

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