

Product datasheet

Recombinant human FKBP12 protein ab85840

1 图像

概述

产品名称	重组人FKBP12蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Escherichia coli

氨基酸序列

种属	Human
序列	MGSSHHHHHH SSGLVPRGSH MGVQVETISP GDGRTFPKRG QTCVVHYTGM LEDGKKFDSS RDRNKPFKFM LGKQEVIRGW EEGVAQMSVG QRAKLTISPD YAYGATGHPG IIPPHATLVF DVELLKLE

技术指标

Our [Abpromise guarantee](#) covers the use of **ab85840** in the following tested applications.

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

生物活性	Specific activity is > 300 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1 μmole of suc-AAFP-pNA per minute at 25°C in Tris-Hcl pH 8.0 using chymotrypsin.
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Activity Assay

Prepare 170 μl assay buffer into a suitable container and pre-chill on ice before use: The final concentrations are 200 mM Tris-Hcl, pH 8.0, and 20nM chymotrypsin.
Add 10ul of recombinant FKBP1a/FKBP12 protein with 1 μg in assay buffer.
Mix by inversion and equilibrate to 1°C and monitor the A405nm until the value is constant using a spectrophotometer.
Add 20 μl pre-chilled 5mM suc-AAFP-pNA. (Substrate was dissolved in TFE that contained 460mM LiCl to a concentration of 3 mM)
Record the increase in A405 nm for 30 minutes at 25°C.

应用	SDS-PAGE Functional Studies
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内毒素水平	< 1.000 Eu/μg
质谱法	MALDI-TOF
纯度	> 95 % SDS-PAGE. ab85840 is purified using conventional chromatography. Endotoxin Level: < 1.0 EU per 1 μg of protein (determined by LAL method).
形式	Liquid

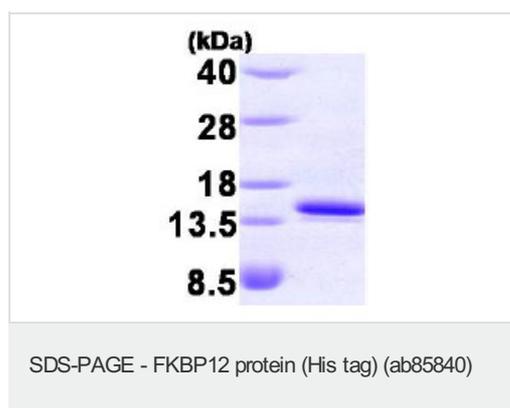
制备和贮存

稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 100mM Sodium chloride, 1mM DTT, pH 8.0 This product is an active protein and may elicit a biological response in vivo, handle with caution.
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常规信息

功能	May play a role in modulation of ryanodine receptor isoform-1 (RYR-1), a component of the calcium release channel of skeletal muscle sarcoplasmic reticulum. There are four molecules of FKBP12 per skeletal muscle RYR. PPlases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.
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 showing ab85840 at approximately 14.1kDa (3μg).

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