

Product datasheet

Recombinant human FKBP12 protein ab85840

[1 References](#) [1 Image](#)

Description

Product name	Recombinant human FKBP12 protein
Biological activity	Specific activity is > 800nmol/min/mg, and is defined as the amount of enzyme that cleaves 1nmole of suc-AAPF-pNA per minute at 37C in Tris-HCl pH 8.0 using chymotrypsin.
Purity	> 95 % SDS-PAGE. ab85840 is purified using conventional chromatography. Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method).
Endotoxin level	< 1.000 EU/µg
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MG VQVETISP GDGRTFPKRG QTCVVHYTGM LEDGKKFDSS RDRNKPFKFM LGKQEVIRGW EEGVAQMSVG QRAKLTISPD YAYGATGHPG IIPPHATLVF DVELLKLE
Tags	His tag N-Terminus

Specifications

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.

Applications	SDS-PAGE Functional Studies
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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pH: 8.00

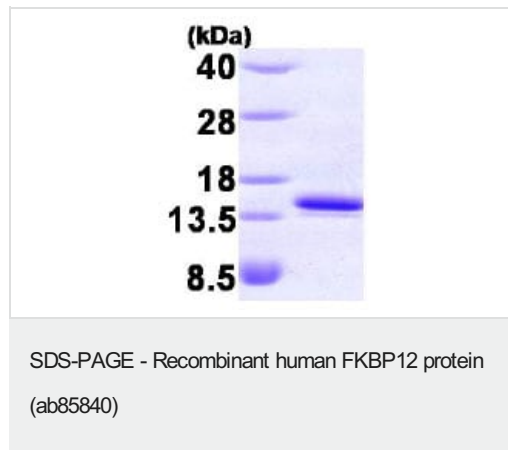
Constituents: 0.0154% DTT, 0.316% Tris HCl, 10% Glycerol, 0.58% Sodium chloride

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

General Info

Function	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.
Sequence similarities	Belongs to the FKBP-type PPlase family. FKBP1 subfamily. Contains 1 PPlase FKBP-type domain.
Cellular localization	Cytoplasm.

Images



15% SDS-PAGE showing ab85840 at approximately 14.1kDa (3µg).

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

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