

Product datasheet

Recombinant human FKBP25 protein ab93683

1 Image

Overview

<b>Product name</b>	Recombinant human FKBP25 protein
<b>Protein length</b>	Full length protein

Description

<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli
<b>Amino Acid Sequence</b>	
<b>Species</b>	Human
<b>Sequence</b>	<p>MAAAVPQRAWTVELRSEQLPKKDIIKFLQEHGSDSF          LAEHKLLGNIKNV          AKTANKDHLVTAYNHLFETKRFKGTESISKVSEQVKNV          KLNEDKPKETKS          EETLDEGPPKYTKSVLKKGDKTNFPKKGDVVHCWYT          GTLQDGTVFDTNIQ          TSAKKKNAKPSFKVGVGKVIKRWDEALLTMSKGEK          ARLEIEPEWAYGKK GQPDAKIPPNAKLTFEVELVDID</p>

Specifications

Our [Abpromise guarantee](#) covers the use of **ab93683** in the following tested applications.

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

**Biological activity** Biological activity: Specific activity is > 490 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 pH8.0 using chymotrypsin.

**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 10 µl of recombinant FKBP3 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.

<b>Applications</b>	Functional Studies SDS-PAGE
<b>Mass spectrometry</b>	MALDI-TOF
<b>Purity</b>	> 90 % SDS-PAGE. ab93683 is purified using conventional chromatography techniques.
<b>Form</b>	Liquid

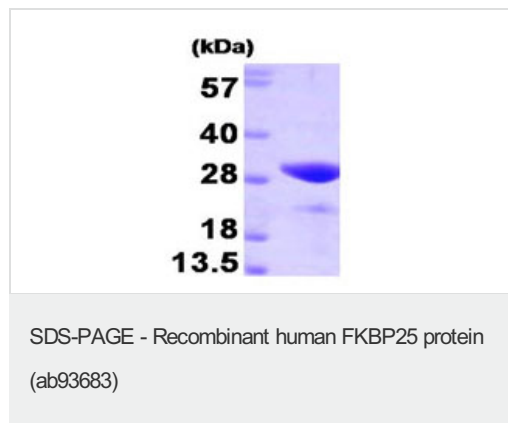
## Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.  pH: 8.00 Constituents: 0.0154% DTT, 0.316% Tris HCl, 10% Glycerol  This product is an active protein and may elicit a biological response in vivo, handle with caution.
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## General Info

<b>Function</b>	FK506- and rapamycin-binding proteins (FKBPs) constitute a family of receptors for the two immunosuppressants which inhibit T-cell proliferation by arresting two distinct cytoplasmic signal transmission pathways. PPlases accelerate the folding of proteins.
<b>Sequence similarities</b>	Belongs to the FKBP-type PPlase family. Contains 1 PPlase FKBP-type domain.
<b>Cellular localization</b>	Nucleus.

## Images



15% SDS-PAGE showing ab93683 at approximately 25 kDa (3 µg).

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

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