

# Recombinant human FKBPL protein ab98117

1 Image

## Description

<b>Product name</b>	Recombinant human FKBPL protein
<b>Biological activity</b>	<p>Specific activity is &gt; 210 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1 <math>\mu</math>mole of suc-AAFP-pNA per minute at 25°C in Tris-Hcl pH8.0 using chymotrypsin.</p> <p><b>Activity Assay</b></p> <p>Prepare 170 <math>\mu</math>l 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.</p> <p>Add 10 <math>\mu</math>l of recombinant FKBPL protein with 1 <math>\mu</math>g in assay buffer.</p> <p>Mix by inversion and equilibrate to 1°C and monitor the A405nm until the value is constant using a spectrophotometer.</p> <p>Add 20 <math>\mu</math>l pre-chilled 5mM suc-AAFP-pNA. (Substrate was dissolved in TFE that contained 460mM LiCl to a concentration of 3 mM)</p> <p>Record the increase in A405 nm for 30 minutes at 25°C.</p> <p>Specific activity is &gt; 210 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1 <math>\mu</math>mole of suc-AAFP-pNA per minute at 25°C in Tris-Hcl pH8.0 using chymotrypsin.</p> <p><b>Activity Assay</b></p> <p>Prepare 170 <math>\mu</math>l 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.</p> <p>Add 10 <math>\mu</math>l of recombinant FKBPL protein with 1 <math>\mu</math>g in assay buffer.</p> <p>Mix by inversion and equilibrate to 1°C and monitor the A405nm until the value is constant using a spectrophotometer.</p> <p>Add 20 <math>\mu</math>l pre-chilled 5mM suc-AAFP-pNA. (Substrate was dissolved in TFE that contained 460mM LiCl to a concentration of 3 mM)</p> <p>Record the increase in A405 nm for 30 minutes at 25°C.</p>
<b>Purity</b>	<p>&gt; 90 % SDS-PAGE.</p> <p>ab98117 is purified by using conventional chromatography techniques.</p>
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>Q9UIM3</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<p>METPPVNTIG EKDTSQPQQE WEKNLRENLD</p> <p>SVIQIRQQPR DPPTETLELE VSPDPASQIL EHTQGAEKL</p>

AELEGDSHKS HGSTSQMPEA LQASDLWYCP  
DGSFVKKMIRGHGLDKPKL GSCCRVLALG  
FPFGSGPPEG WTELTMGVGP WREETWGELI  
EKCLES MCQG EEAELQLPGH SGPPVRLTLA  
SFTQGRDSWE LETSEKEALA REERARGTEL  
FRAGNPEGAA RCYGRALRLL LTLPPPGPPE  
RTVLHANLAA CQLLLGQPQL AAQSCDRVLE  
REPGHLKALY RRGVAQAALG NLEKATADLK  
KVL AIDPKNR AAQEELGKVV IQGKNQDAGL  
AQGLRKMFGFL EHHHHHHH

<b>Predicted molecular weight</b>	39 kDa including tags
<b>Amino acids</b>	1 to 349
<b>Tags</b>	His tag C-Terminus

## Specifications

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Our **Abpromise guarantee** covers the use of **ab98117** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE Mass Spectrometry Functional Studies
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

## Preparation and Storage

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<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: 0.0308% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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## General Info

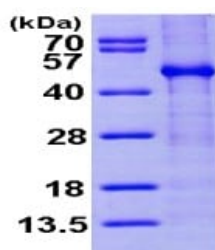
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<b>Function</b>	May be involved in response to X-ray. Regulates p21 protein stability by binding to Hsp90 and p21.
<b>Tissue specificity</b>	Ubiquitously expressed with higher levels in testis.
<b>Sequence similarities</b>	Contains 3 TPR repeats.
<b>Post-translational modifications</b>	Phosphorylated upon DNA damage, probably by ATM or ATR.

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## Images

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15% SDS-PAGE analysis of ab98117 (3ug)

SDS-PAGE - Recombinant human FKBP1 protein  
(ab98117)

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

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