

Product datasheet

Recombinant human PPIG protein ab167986

1 Image

Overview

<b>Product name</b>	Recombinant human PPIG protein
<b>Protein length</b>	Protein fragment

Description

<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli
<b>Amino Acid Sequence</b>	
<b>Accession</b>	<a href="#">Q13427</a>
<b>Species</b>	Human

<b>Sequence</b>	<p>MGSSHHHHHH SSGLVPRGSH MGIKVQRPRC          FFDIANNQP AGRVVFELFS DVCPKTCENF          RCLCTGEKGT GKSTQKPLHY KSCLFHRVVK          DFMVQGGDFS EGNRGGESI YGGFFEDES F          AVKHNKEFL SMANRGKDTN GSQFFITTKP          TPHLDGHHVV FGQVISGQEV VREIENQKTD          AASKPFAEVR ILSCG</p>
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<b>Molecular weight</b>	22 kDa including tags
<b>Amino acids</b>	1 to 175
<b>Tags</b>	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab167986** in the following tested applications.

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

<b>Biological activity</b>	Specific activity is > 200 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.
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<b>Applications</b>	<p>SDS-PAGE</p> <p>Functional Studies</p>
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<b>Purity</b>	>95% by SDS-PAGE .
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**Form** Liquid

## Preparation and Storage

### Stability and Storage

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, 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

PPlases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. May be implicated in the folding, transport, and assembly of proteins. May play an important role in the regulation of pre-mRNA splicing.

### Tissue specificity

Ubiquitous.

### Sequence similarities

Contains 1 PPlase cyclophilin-type domain.

### Domain

The RS domain is required for the interaction with the phosphorylated C-terminal domain of RNA polymerase II.

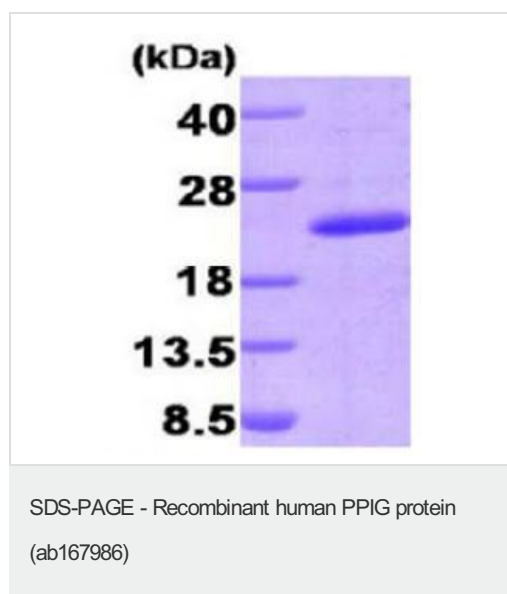
### Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

### Cellular localization

Nucleus matrix. Nucleus speckle. Colocalizes with RNA splicing factors at nuclear speckles.

## Images



15% SDS-PAGE analysis of ab167986 (3 µg).

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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