

Datasheet for ABIN935000  
**PPIL1 Protein (AA 1-166) (His tag)**



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1 Image

## Overview

Quantity:	100 µg
Target:	PPIL1
Protein Characteristics:	AA 1-166
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PPIL1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	MAAIPPDSWQ PPNVYLETSM GIIVLELYWK HAPKTCKNFA ELARRGYNG TKFHRIIKDF MIQGGDPTGT GRGGASIYGK QFEDELHPDL KFTGAGILAM ANAGPDTNGS QFFVTLAPTQ WLDGKHTIFG RVCQGIGMVN RVGMVETNSQ DRPVDDVKII KAYPSGLEHH HHHH
Characteristics:	Purified recombinant Human PPIL1 protein Expression System: E.coli Bioactivity: Specific activity is > 155 nM/min/µg, and is defined as the amount of enzyme that cleaves 1µM of suc-AAFP-pNA per minute at 1 °C in Tris-Hcl pH 8.0 using chymotrypsin. Molecular weight on SDS-PAGE will appear higher.
Purity:	> 95 % pure

## Target Details

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Target: PPIL1

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Alternative Name: PPIL1 ([PPIL1 Products](#))

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Background: Peptidylprolyl isomerase (cyclophilin)-like 1, also known as PPIL1, is a member of peptidylprolyl cis-trans isomerase (PPIase) family, which catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerates the folding of proteins. Human PPIL1 might play an important role in proliferation of cancer cells through modulation of phosphorylation of stathmin. So it is expected as a novel molecular target for colon-cancer therapy. Recombinant PPIL1, fused to His-tag at C-terminus, was expressed in *E. coli* and purified by conventional chromatography techniques.

Alternative Names: PPIL 1, Cyclophilin related gene 1 protein, PPIL-1, Peptidylprolyl isomerase (cyclophilin)-like 1 CGI124 protein, Peptidylprolyl isomerase (cyclophilin) like 1 protein, CYPL1 protein, PPIL-1 protein, rotamase0., PPIL1, PPIL 1 protein, PPIase protein, PPIL1 protein, peptidylprolyl isomerase like 1 protein, Peptidylprolyl isomerase (cyclophilin)-like 1 protein, CGI-124 protein, MGC678 protein, hCyPX protein

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Molecular Weight: 19.3 kDa (174 AA)

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## Application Details

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Application Notes: PPIL1 protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

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Assay Procedure:

1. Prepare assay buffer in a suitable container and pre-chill on ice before use: The final concentrations are 35 mM Tris, pH 8.0, 1  $\mu$ M suc-AAFP-pNA).
2. Add recombinant PPIL1 protein with various concentrations (1  $\mu$ g, 1  $\mu$ g, 1  $\mu$ g) in assay buffer.
3. Mix by inversion and equilibrate to 1  $^{\circ}$ C and monitor the A410 nm until the value is constant using a spectrophotometer.
4. Add pre-chilled chymotrypsin to 12.5  $\mu$ M and mix immediately.
5. Record the increase in A410 nm for 20 minutes

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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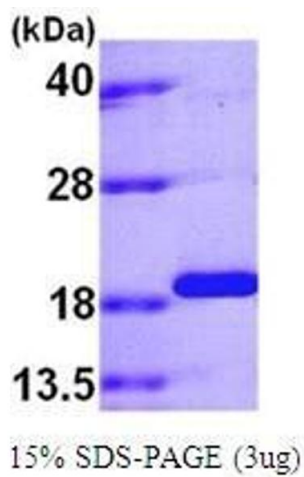
Concentration: 1 mg/mL

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## Handling

Buffer:	Supplied as a liquid in 20 mM Tris-HCl, pH 8.0, containing 20 % glycerol.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	RT/-20 °C
Storage Comment:	Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.

## Images



### SDS-PAGE

**Image 1.** Figure annotation denotes ug of protein loaded and % gel used.