

# Human PREPL Knockdown Cell Line (WB-Validated)



**Catalog #: C62470**

## Aliases

Prolyl Endopeptidase Like; Prolyl Endopeptidase-Like; KIAA0436; Putative Prolyl Oligopeptidase; Prolylendopeptidase-Like; EC 3.4.21.83; EC 3.4.21.-; EC 3.4.21; CMS22

## Background

Gene Name: PREPL  
NCBI Gene Entry: [9581](#)

## Storage

Store at liquid nitrogen for 1 year.

## Kit Components

1. Human PREPL Knockdown Cell Line (Wb-Validated)
2. Wild-type cell line

## Parental Cell Line

Human cell line supplied by the client

## Validation Methods

RT-qPCR, Western blotting (WB)

## Shipping

Shipped on Dry Ice.

## Instructions For Use

This knockdown cell line should be paired with wild-type cell line for use.

**Note:** This product is for research use only.

## Validation Data

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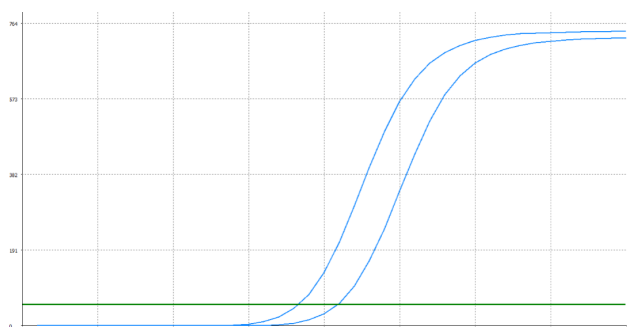
### SUPPORT

SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

### ORDERS

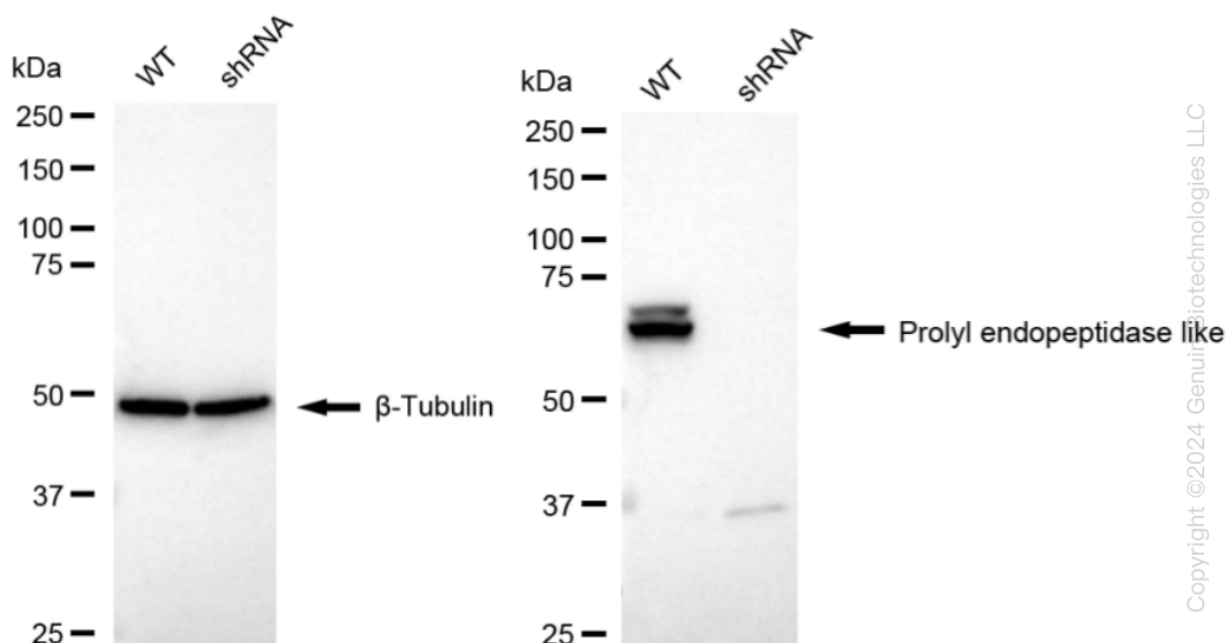
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Genotype	Ct Value
Wild-Type	18.27
Knock-Down	20.81
$\Delta Ct (Ct_{KD} - Ct_{WT})$	2.54
% mRNA Reduction	↓ 83%

RT-qPCR analysis. HeLa cells were infected with PREPL-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers.  $\Delta Ct (Ct_{KD} - Ct_{WT})$  was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula:  $(1 - 1/2^{\Delta Ct}) \times 100\%$ .



Western blotting analysis. PREPL protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting.  $\beta$ -Tubulin served as a loading control. The blots were incubated with primary antibodies against PREPL and  $\beta$ -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.