

## Product datasheet

# Recombinant Human PTP4A2 protein ab100985

[1 Image](#)

### Overview

---

**Product name** Recombinant Human PTP4A2 protein

**Protein length** Full length protein

### Description

---

**Nature** Recombinant

**Source** Escherichia coli

### Amino Acid Sequence

**Accession** [Q12974-1](#)

**Species** Human

**Sequence** MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD  
 KDRWGSMNRP APVEISYENM RFLITHNPTN  
 ATLNFTEEL KKYGVTTLVR VCDATYDKAP  
 VEKEGIHVLDPWFDDGAPPP NQMDDWLNL  
 LKTKFREEPG CCVAVHCVAG LGRAPVLVAL  
 ALIECGMKYE DAVQFIRQKR RGAFNSKQLL  
 YLEKYRPMR LFRDRTNGHC CVQ

**Molecular weight** 23 kDa including tags

**Amino acids** 1 to 167

**Tags** His tag N-Terminus

### Specifications

---

Our [Abpromise guarantee](#) covers the use of **ab100985** 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
<b>Mass spectrometry</b>	MALDI-TOF
<b>Purity</b>	> 90 % SDS-PAGE.
<b>Form</b>	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.

Preservative: 0% None

Constituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 8.0

## General Info

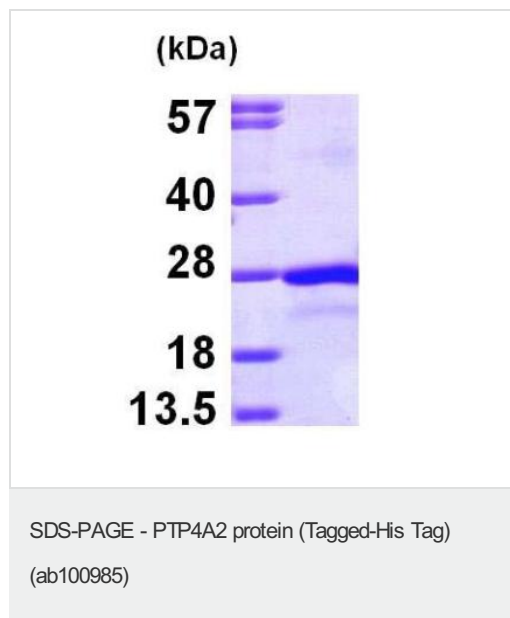
### Relevance

Protein tyrosine phosphatase which stimulates progression from G1 into S phase during mitosis. Promotes tumors. Inhibits geranylgeranyl transferase type II activity by blocking the association between RABGGTA and RABGGTB. Ubiquitously expressed, with highest levels in skeletal muscle, heart and thymus. Overexpressed in prostate tumor tissue.

### Cellular localization

Cell Membrane, Early Endosome and Cytoplasm.

## Images



ab100985 at 3 µg analysed by 15% SDS-PAGE.

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

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- 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 <http://www.abcam.com/abpromise> or contact our technical team.

## **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors