

Datasheet for ABIN7275477

**PTP4A1 Protein (AA 1-170) (His tag)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	PTP4A1
Protein Characteristics:	AA 1-170
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTP4A1 protein is labelled with His tag.

## Product Details

Purpose:	Human PRL-1/PTP4A1 Protein
Sequence:	Met1-Cys170
Characteristics:	Recombinant Human PRL-1/PTP4A1 Protein is expressed from E.coli with His tag at the N-Terminus.It contains Met1-Cys170.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	PTP4A1
Alternative Name:	PRL-1 ( <a href="#">PTP4A1 Products</a> )

## Target Details

**Background:** Phosphatases of regenerating liver (PRL-1, PRL-2, and PRL-3, also known as PTP4A1, PTP4A2, and PTP4A3) control magnesium homeostasis through an association with the CNNM magnesium transport regulators. PRL-1 (PTP4A1) is a key molecule that activates tyrosine phosphorylation, which is important for cancer progression and metastasis.

**Molecular Weight:** 20.56 kDa same as Tris-Bis PAGE result.

**UniProt:** [Q93096](#)

## Application Details

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Buffer:** Supplied as 0.22µm filtered solution in 20 mM Tris, 250 mM NaCl, 1 mM DTT, 20 % Glycerol ( pH 7.4).

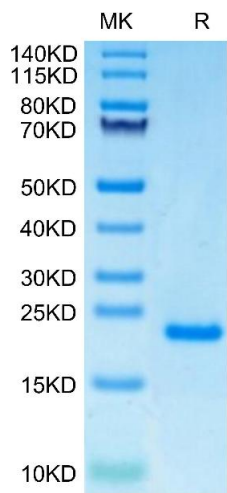
**Preservative:** Dithiothreitol (DTT)

**Precaution of Use:** This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** -80 °C

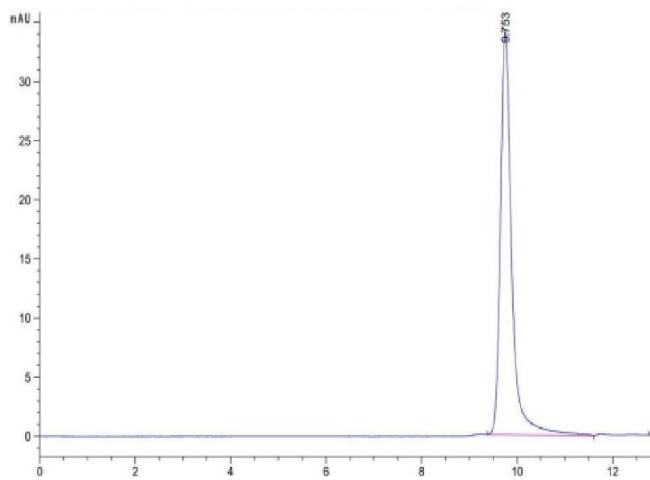
**Storage Comment:** Valid for 12 months from date of receipt when stored at -80°C.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Expiry Date:** 12 months



SDS-PAGE

**Image 1.** Human PRL-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Human PRL-1 is greater than 95 % as determined by SEC-HPLC.