

## Product datasheet for **AR09802PU-L**

### **PTP4A1 / PRL1 (1-170, His-tag) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	PTP4A1 / PRL1 (1-170, His-tag) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	<u>MGSSHHHHHH SSGLVPRGSH</u> MARMNRPAPV EVTYKNMRFL ITHNPTNATL NKFIEELKKY GVTIVRVCE ATYDTTLVEK EGIHVLDWPF DDGAPPSNQI VDDWLSLVKI KFREEPGCCI AVHCVAGLGR APVLVALALI EGGMKYEDAV QFIRQKRRGA FNSKQLLYLE KYRPKMRLRF KDSNGHRNNC
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	21.6 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90%
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human PTP4A1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
<b>Storage:</b>	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<u>NP_003454</u>
<b>Locus ID:</b>	7803
<b>UniProt ID:</b>	<u>Q93096</u> , <u>A0A024R8J2</u>
<b>Cytogenetics:</b>	6q12
<b>Synonyms:</b>	HH72; PRL-1; PRL1; PTP(CAAX1); PTPCAAX1



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**Summary:**

This gene encodes a member of a small class of prenylated protein tyrosine phosphatases (PTPs), which contain a PTP domain and a characteristic C-terminal prenylation motif. The encoded protein is a cell signaling molecule that plays regulatory roles in a variety of cellular processes, including cell proliferation and migration. The protein may also be involved in cancer development and metastasis. This tyrosine phosphatase is a nuclear protein, but may associate with plasma membrane by means of its prenylation motif. Pseudogenes related to this gene are located on chromosomes 1, 2, 5, 7, 11 and X. [provided by RefSeq, Jun 2013]

**Protein Families:**

Druggable Genome, Phosphatase

**Product images:**