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## Datasheet for ABIN7317306 PTP4A2 Protein (GST tag)

### Overview

Quantity:	100 µg
Target:	PTP4A2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTP4A2 protein is labelled with GST tag.

### Product Details

Purpose:	Recombinant Human PRL-2/PTP4A2 Protein (GST Tag)
Sequence:	Asn 2-Gln 167
Characteristics:	A DNA sequence encoding the human PTP4A2 isoform 1 (Q12974-1) (Asn 2-Gln 167) was fused with the GST tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.

### Target Details

Target:	PTP4A2
Alternative Name:	PRL-2/PTP4A2 ( <a href="#">PTP4A2 Products</a> )
Background:	Background: PRL-2 (Protein-tyrosine phosphatase of regenerating liver 2), also known as PTP4A2 (Protein tyrosine phosphatase type IVA, member 2), is a member of PTP family and has an important function in controlling cell growth. PRL-2 phosphatases may be multifunctional enzymes with diverse roles in a variety of tissue and cell types. The

## Target Details

phosphatase of regenerating liver (PRL) family, comprising PRL-1, PRL-2 and PRL-3, is a group of prenylated phosphatases that are candidate cancer biomarkers and therapeutic targets. PRL-1, PRL-2, and PRL-3 represent a novel class of protein-tyrosine phosphatase with a C-terminal prenylation motif. They are three closely related intracellular enzymes that possess the PTP active site signature sequence CX 5R. The PRL-2 mRNA is elevated in primary breast tumors relative to matched normal tissue, and also dramatically elevated in metastatic lymph nodes compared with primary tumors. PRL-2 plays a role in breast cancer progression. PRL-2 is a pathogenic molecule in hematopoietic malignancies and suggest its potential as a novel therapeutic target.

Synonym: Protein tyrosine phosphatase type IVA 2,PTP4A2,HU-PP-1,OV-1,PTP(CAAXII),Protein-tyrosine phosphatase 4a2,Protein-tyrosine phosphatase of regenerating liver 2,PRL-2,HH13,HH7-2,HMT,HNMT-S1,HNMT-S2,HU-PP-1,OV-1,PRL-2,PRL2,ptp-IV1a,ptp-IV1b,PTP4A,PTPCAAX2

Molecular Weight:	45.9 kDa
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from sterile 50 mM Tris, 0.15M NaCl, 1 mM GSH, pH 7.3
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Storage:	4 °C,-20 °C,-80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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