

# Product information



## PRL-3, 1-173 aa

Human, His-tagged, Recombinant, *E.coli*

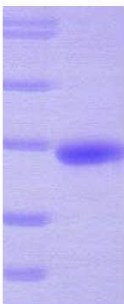
Cat. No. IBATGP0398

**Full name:** Protein tyrosine phosphatase type IVA 3

**NCBI Accession No.:** NP\_116000

**Synonyms:** PTP4A3, PRL3

**Description:** Protein tyrosine phosphatase type IVA 3 (PRL-3), as known as PTP4A3, belongs to a small class of prenylated protein tyrosine phosphatases (PTPs) that remove phosphate modifications from tyrosine residues on proteins. This protein enhances cell proliferation, cell motility and invasive activity. High levels of PRL-3 expression are associated with tumorigenesis and metastasis, thus it is overexpressed in metastatic colorectal, ovarian, liver and skin cancers. Recombinant human PRL-3, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

<p><b>Form:</b> Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 2 mM EDTA, 1 mM DTT, 10% glycerol</p> <p><b>Molecular Weight:</b> 21.6 kDa (193aa)</p> <p><b>Purity:</b> &gt; 95% by SDS - PAGE</p> <p><b>Concentration:</b> 1 mg/ml (determined by Bradford assay)</p> <p><b>Endotoxin Level:</b> &lt; 1.0 EU per 1 µg of protein (determined by LAL method )</p>	<p>(kDa)</p> <p>57</p> <p>40</p> <p>28</p> <p>18</p> <p>13.5</p>  <p>15% SDS-PAGE (3µg)</p>
<p><b>Sequences of amino acids:</b></p> <p>MGSSHHHHH SSGLVPRGSH MARMNRPAPV EVSYKHMRF ITHNPTNATL STFIEDLKKY GATTVVRVCE VTYDKTPLEK DGITVVDWPF DDGAPPPGKV VEDWLSLVKA KFCEAPGSCV AVHCVAGLGR APVLVALALI ESGMKYEDAI QFIRQKRRGA INSKQLTYLE KYRPKQRLRF KDPHTHKTRC CVM</p>	

### General references:

Ooki A., *et al.* (2009). *Oncol Rep.* 21(6):1467-75

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

# Product information

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Wang Z., *et al.* (2009). *Ann Surg Oncol.* 16(1):208-19.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

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