

**AR09281PU-L****Human PRL3 / PTP4A3 (1-173, His-tag) - Purified**

<b>Alternate names:</b>	PRL-3, PRL-R, Protein tyrosine phosphatase type IVA 3, Protein-tyrosine phosphatase 4a3, Protein-tyrosine phosphatase of regenerating liver 3
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1.0 mg/ml (determined by Bradford assay)
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">O75365</a>
<b>NCBI:</b>	<a href="#">NP_116000</a>
<b>GeneID:</b>	<a href="#">11156</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >95% by SDS - PAGE <b>Buffer System:</b> In 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM EDTA, 1 mM DTT, 10% glycerol <b>Endotoxin Level:</b> < 1.0 EU per 1 µg of protein (determined by LAL method)
<b>Description:</b>	Recombinant human PRL-3, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. <b>AA Sequence:</b> MGSSHHHHHH SSGLVPRGSH MARMNRPAPV EVSYKHMRFI ITHNPTNATL STFIEDLKKY GATTVVVRVCE VTYDKTPLEK DGITVVDWPF DDGAPPPGKV VEDWLSLVKA KFCEAPGSCV AVHCVAGLGR APVLVALALI ESGMKYEDAI QFIRQKRRGA INSKQLTYLE KYRPKQRLRF KDPHTHKTRC CVM
<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. Shelf life: one year from despatch.
<b>General Readings:</b>	Ooki A., et al. (2009). Oncol Rep. 21(6):1467-75. Wang Z., et al. (2009). Ann Surg Oncol. 16(1):208-19.

**Pictures:**

Recombinant human PRL-3, 1-173 aa, His-tagged: 15% SDS-PAGE (3 µg)

