PRL-1 (human), (recombinant) (His-tag)

PRL phosphatases comprise a class of small oncogenic phosphatases that are prenylated at their carboxyl-termini. PRL-1 is overexpressed during cell proliferation in the liver and during differentiation of epithelial cells in the digestive tract. It augments MMP-2 and MMP-9 expression, which in turn induce cell migration and invasion.

Ordering Information

Order Online »

BML-SE556-0050	50µg

Manuals, SDS & CofA

View Online »

Handling & Storage

Use/Stability	Dilution of the enzyme followed by refreezing may lead to loss of activity.
Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Phosphatase of regenerating liver 1, Protein tyrosine phosphatase type IVA 1
Application Notes	Useful for studies of enzyme kinetics and regulation, dephosphorylation of target substrates, and inhibitor screening.
Formulation	Liquid. In 40mM TRIS-HCl, pH 8.0, containing 110mM sodium chloride, potassium chloride, 200mM imidazole, 20% glycerol and 3mM DTT.
MW	~19.8kDa
Purity	≥75% (SDS-PAGE)
Source	Produced in *E. coli*. The catalytic domain of PRL-1 (aa 2-173) is fused at the N-terminus to a His-tag.
Specific Activity	≥0.168U/min/µg. One unit will hydrolyze 1pmol *para*-nitrophenyl phosphate (PNPP) per minute at 37°C. Assay buffer: 50mM TRIS, pH 7.4, containing 150mM sodium chloride, 5mM dithiothreitol and 12.5mM PNPP.
UniProt ID	Q93096

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