

## Protein tyrosine phosphatase 1B from Human, Recombinant

Cat. No. RPTP-01B

Lot. No. (See product label)

### Introduction

**Description** Protein tyrosine phosphatase 1B (PTP1B) is an enzyme that removes phosphate groups covalently attached to tyrosine residues in proteins. This ubiquitously expressed enzyme is anchored in the endoplasmic reticulum by its C-terminal end and has its catalytic regions exposed to the cytosol. The recombinant protein lacks the C-terminal 114 amino acids but is fully active. PTP1B will dephosphorylate a wide variety of phosphoproteins, such as receptors for the growth factors insulin and epidermal growth factor (EGF), c-Src and beta -catenin.

### Product Information

<b>Species</b>	Human
<b>Source</b>	E. coli
<b>Form</b>	Lyophilized
<b>EC Number</b>	EC 3.1.3.48
<b>CAS No.</b>	79747-53-8
<b>Purity</b>	>95%
<b>Activity</b>	>15 $\mu\text{mol}/\text{min}/\text{mg}$

### Storage and Shipping Information

<b>Storage</b>	at -20 to -70 °C
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