Creative Enzymes®

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

Species	Human
Source	E. coli
Form	Lyophilized
EC Number	EC 3.1.3.48
CAS No.	79747-53-8
Purity	>95%
Activity	>15 μmol/min/mg

Storage and Shipping Information

Storage	at -20 to -70 °C