Creative Enzymes®

phosphohistidine phosphatase

Cat. No. EXWM-4751

Lot. No. (See product label)

Introduction

Description	This eukaryotic enzyme dephosphorylates phosphorylated histidine residues within proteins and peptides. The enzyme acts on phosphate groups attached to both the pros- and tele-nitrogen atoms, but the pros- position is somewhat preferred (by a factor of two at the most). The substrate specificity depends on the amino acid sequence or structural context of the phosphohistidine in a phosphoprotein. The enzyme is also active on free phosphoramidate and peptide-bound phospholysine.
Synonyms	PHPT1 (gene name); protein histidine phosphatase; PHP

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.9.1.3
Reaction	a [protein]-N-phospho-L-histidine + H2O = a [protein]-L-histidine + phosphate
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.