

## 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 pro- and tele-nitrogen atoms, but the pro-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 + H<sub>2</sub>O = 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.