

PHPT1 Protein, Human (His)

Cat. No.:	HY-P75975
Synonyms:	14 kDa phosphohistidine phosphatase; PHPT1; PHP; PHP14; CGI-202; HSPC141
Species:	Human
Source:	E. coli
Accession:	Q9NRX4 (A2-Y125)
Gene ID:	29085
Molecular Weight:	Approximately 15.2 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	PHPT1 protein serves as a phosphohistidine phosphatase, showcasing its specific enzymatic activity in catalyzing the dephosphorylation of phosphohistidine residues. This unique biochemical function positions PHPT1 as a regulator of histidine phosphorylation events, suggesting its involvement in signaling pathways or cellular processes where phosphohistidine modification plays a crucial role. The enzymatic capability of PHPT1 underscores its potential significance in modulating histidine phosphorylation dynamics and highlights its contribution to cellular regulatory mechanisms.
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Caution: Product has not been fully validated for medical applications. For research use only.

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