

Phosphohistidine Phosphatase 1 Human Recombinant, Active

Item Number	rAP-1513
Synonyms	PHP14, CGI-202, HSPC141, Phosphohistidine Phosphatase 1, Phosphohistidine Phosphatase 14kDa, Protein janus-A homolog, Sex-regulated protein Janus-a.
Description	PHPT1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 145 amino acids (1-125a.a.) and having a molecular mass of 15.9kDa.PHPT1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9NRX4
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MAVADLALIP DVDIDSDGVF KYVLIRVHSA PRSGAPAAES KEIVR-GYKWA EYHADIYDKV SGDMQKQGCD CECLGGGRIS HQSQDKKIHV YGYSMAYGPA QHAISTEKIK AKYPDYEVTW ANDGY.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	The PHPT1 protein solution (0.5mg/ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 2mM DTT and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is >120 units/mg, and is defined as the amount of enzyme that hydrolyze 1nmol p-nitrophenyl phosphate per minute at pH7.5 at 37°C.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**