

## PHPT1 Human

**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.

**Catalog #:**ENPS-019

For research use only.

**Synonyms:**PHP14, CGI-202, HSPC141, Phosphohistidine Phosphatase 1, Phosphohistidine Phosphatase 14kDa, Protein janus-A homolog, Sex-regulated protein Janus-a.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered clear solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MAVADLALIP DVDIDSDGVF  
KYVLIRVHSA PRSGAPAAES KEIVRGYKWA EYHADIYDKV SGDMQKQGCD CECLGGGRIS  
HQSQDKKIHV YGYSMAYGPA QHAISTEKIK AKYPDYEVTW ANDGY

**Purity:**Greater than 95% as determined by SDS-PAGE.

### Formulation:

The PHPT1 protein solution (0.5mg/1ml) is formulated in 20 mM Tris-HCl buffer (pH8.0) 0.2M NaCl, 2mM DTT and 10% glycerol.

### Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

PHPT1 is a member of the Janus protein family and is 125 amino acid long. PHPT1 appears as a monomer in the cytoplasm and is an EDTA-insensitive phosphohistidine phosphatase.

Overexpression of PHPT1 results in specific phosphohistidine phosphatase activity towards phosphopeptide I, with no activity detected towards phosphotyrosine, phosphothreonine and phosphoserine peptides.

### Storage:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

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