

**PHPT1, 1-125aa, Human, His tag, E.coli**

**Cat.NO.: TP03399**

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3th Edition

**Synonyms:**14 kDa phosphohistidine phosphatase, bA216L13.10, CGI-202, DKFZp564M173, HSPC141, PHP14, RP11-216L13.10.

**Description:**PHPT1 is a 125 amino acid enzyme belonging to the Janus protein family. Existing as a monomer in the cytoplasm, PHPT1 is an EDTA-insensitive phosphohistidine phosphatase. Overexpression of PHPT1 leads to specific phosphohistidine phosphatase activity towards phosphopeptide I, with no activity detected towards phosphotyrosine, phosphothreonine and phosphoserine peptides.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 2mM DTT, 10% glycerol

**Molecular Weight:**15.9 kDa (145aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMAVADLALIPDVIDSDGVFKYVLIRVHSAPRSGAPAAESKEIVRGYKWAHEYHADI  
YDKVSGDMQKQGCDCECLGGGRISHQSQDKKIHVYGYSMAYGPAQHAISTEKIKAKYPDYEVTWANDGY

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.