

## 32-2668: PHPT1 Recombinant Protein

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

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

**Amount :** 25 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** 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.  
**Storage condition :** 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 it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MAVADLALIP DVDIDSDGVF KYVLIRVHSA PRSGAPAAES KEIVRGYKWA EYHADIYDKV SGDMQKQGCD CECLGGGRIS HQSQDKKIHV YGYSMAYGPA QHAISTEKIK AKYPDYEVTW ANDGY

