

# Human PHPT1 Recombinant Protein



RPPB2110

---

## Product Information    Protein Information

**Product SKU:**

RPPB2110

**Accession:**

Q9NRX4

**Host:**

Escherichia Coli.

**Protein 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.

**Appearance:**

Sterile Filtered clear solution.

**Synonyms:**

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

**Formulation:**

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

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Stability:**

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.

**Amino Acid Sequence:**

MGSSHHHHHH SGLVPRGSH MAVADLALIP DVDIDSDGVF KYVLIRVHSA PRSGAPAAES KEIVRGYKWA EYHADIYDKV SGDMQKQGCD CECLGGGRIS HQSQDKKIHV YGYSMAYGPA QHAISTEKIK AKYPDYEVTW ANDGY.

**Biological Activity:**

Specific activity is >120 units/mg, and is defined as the amount of enzyme that hydrolyze 1nmol of p-nitrophenyl phosphate per minute at pH7.5 at 37°C.