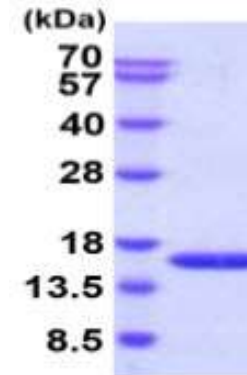


## PHPT1, Human Recombinant

<b>CATALOG NO:</b>	P1181-10	10 µg
	P1181-50	50 µg
<b>ALTERNATE NAMES:</b>	bA216L13.10, CGI-202, DKFZp564M173, HSPC141, PHP14, RP11-216L13.10, 14 kDa phosphohistidine phosphatase, PHP	
<b>CONCENTRATION:</b>	0.5 mg/ml (determined by Bradford assay)	
<b>SOURCE:</b>	<i>E.coli</i> (1-145aa)	
<b>PURITY:</b>	> 95% by SDS-PAGE	
<b>MOL. WEIGHT:</b>	This protein is fused with 6x His tag at N terminus and the protein has a calculated MW of 15.9 kDa (145aa)	
<b>FORM:</b>	Liquid	
<b>FORMULATION:</b>	In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 2mM DTT, 10% glycerol	
<b>STORAGE CONDITIONS:</b>	Store at +4°C for short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freeze/thaw cycles.	
<b>SEQUENCE:</b>	MGSSHHHHHH SSSLVPRGSH MAVADLALIP DVDIDSDGVF KYVLIRVHSA PRSGAPAAES KEIVRGYKWA EYHADIYDKV SGDMQKQGCD CECLGGGRIS HQSQDKKIHV YGYSMAYGPA QHAISTEKIK AKYPDYEVTW ANDGY	
<b>DESCRIPTION:</b>	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. Recombinant human PHPT1 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques.	
<b>SPECIFIC ACTIVITY:</b>	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.	



15% SDS-PAGE (3ug)

Human recombinant PHPT1

### RELATED PRODUCT:

- IFN-alpha 2b, human recombinant (**Cat. No. 4595**)
- IL-11, human recombinant (**Cat. No. 4158**)
- IL-12, human recombinant (**Cat. No. 4161**)
- IL-12p40, human recombinant (**Cat. No. 4732**)
- IL-12p80, Human Recombinant (**Cat. No. 7104**)
- IL-13, human recombinant (**Cat. No. 4164**)
- IL-17B, Human Recombinant (**Cat. No. 7106**)
- IL-17F, human recombinant (**Cat. No. 7408-10**)
- IL-3, human recombinant (**Cat. No. 4134**)
- IL-36RA, Human Recombinant (**Cat. No. 7109**)
- Leptin Receptor, human recombinant (**Cat. No. 4582**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**