

## Product datasheet for TP305124L

### PHPT1 (NM\_014172) Human Recombinant Protein

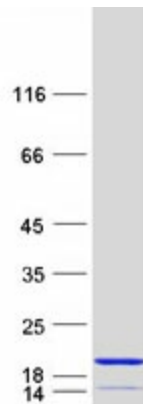
#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphohistidine phosphatase 1 (PHPT1), transcript variant 3, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205124 protein sequence Red=Cloning site Green=Tags(s)
	MAVADLALIPDVIDSDGVFKYVLRVHSAPRSGAPAAESKEIVRGYKWAHEYHADIYDKVSGDMQKQGCDC CECLGGGRISHQSQDKKIHVYGYSMAYGPAQHAISTEKIKAKYPDYEVTWANDGY
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	13.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_054891</a>
Locus ID:	29085
UniProt ID:	<a href="#">Q9NRX4</a> , <a href="#">V9HWC4</a>
RefSeq Size:	1199



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<b>Cytogenetics:</b>	9q34.3
<b>RefSeq ORF:</b>	375
<b>Synonyms:</b>	CGI-202; HEL-S-132P; HSPC141; PHP; PHP14
<b>Summary:</b>	This gene encodes an enzyme that catalyzes the reversible dephosphorylation of histidine residues in proteins. It may be involved in the dephosphorylation of G-beta and ATP citrate lyase and in negatively regulating CD4 T lymphocytes by dephosphorylation and inhibition of KCa3.1 channels. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Fructose and mannose metabolism, Metabolic pathways, Riboflavin metabolism, Thiamine metabolism

**Product images:**

Coomassie blue staining of purified PHPT1 protein (Cat# [TP305124]). The protein was produced from HEK293T cells transfected with PHPT1 cDNA clone (Cat# [RC205124]) using MegaTran 2.0 (Cat# [TT210002]).