

## Product datasheet for PH305124

### PHPT1 (NM\_014172) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PHPT1 MS Standard C13 and N15-labeled recombinant protein (NP_054891)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205124
Predicted MW:	13.8 kDa
Protein Sequence:	>RC205124 protein sequence Red=Cloning site Green=Tags(s)  MAVADLALIPDVDDSDGVFKYVLIIRVHSAPRSGAPAAESKEIVRGYKWAHEYHADIYDKVSGDMQKQGCD CECLGGGRISHQSQDKKIHVYGYSMAYGPAQHAISTEKIKAKYPDYEVTWANDGY  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_054891</a>
RefSeq Size:	1199
RefSeq ORF:	375
Synonyms:	CGI-202; HEL-S-132P; HSPC141; PHP; PHP14
Locus ID:	29085
UniProt ID:	<a href="#">Q9NRX4</a> , <a href="#">V9HWC4</a>
Cytogenetics:	9q34.3



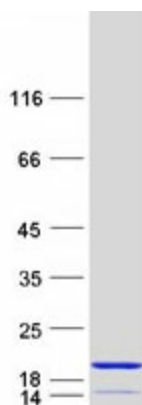
[View online »](#)

**Summary:** 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]

**Protein Families:** Druggable Genome

**Protein Pathways:** 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]).