

## Product datasheet for PH314619

### GLEPP1 (PTPRO) (NM\_030669) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PTPRO MS Standard C13 and N15-labeled recombinant protein (NP_109594)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214619
Predicted MW:	47.2 kDa
Protein Sequence:	>Peptide sequence encoded by RC214619 Blue=ORF Red=Cloning site Green=Tag(s)

MVTEMNPNVVVISVLAILSTLLIGLLLVTLLIILRKKHLQMARECGAGTFVNFASLERDGLPYNWRRSI  
FAFLTLLPSCLTWDYLLAFYINPWSKNGLKKRKLTPVQLDDFDAYIKDMAKDSYKFSLQFEELKLIG  
LDIPHFAADLPLNRCKNRYTNILPYDFSRVRLVSMNEEGADYINANYIPGYNSPQEYIATQGPLPETR  
NDFWKMVLQKKSQIIVMLTQCNEKRRVKCDHYWPFTEEPIAYGDITVEMISEEQDDWACRHFRIYAD  
EMQDVMHFNYTAWPDHGVPTANAAESILQFVHMVRQQATKSKGPMIIHCSAGVGRGTFFIALDRLLQHI  
RDHEFVDILGLVSEMRSYRMSMVQTEEQYIFIHQCVQLMWMKKKQFCISDVIYENVSKS  
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Recombinant protein using RC214619 also available, [TP314619](#)

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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_109594</a>
RefSeq Size:	3970
RefSeq ORF:	1215
Synonyms:	GLEPP1; NPHS6; PTP-OC; PTP-U2; PTPROT; PTPU2; R-PTP-O



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Locus ID: 5800

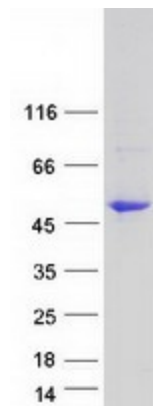
UniProt ID: [Q16827](#), [A0A024RAS9](#)

Cytogenetics: 12p13-p12

**Summary:** This gene encodes a member of the R3 subtype family of receptor-type protein tyrosine phosphatases. These proteins are localized to the apical surface of polarized cells and may have tissue-specific functions through activation of Src family kinases. This gene contains two distinct promoters, and alternatively spliced transcript variants encoding multiple isoforms have been observed. The encoded proteins may have multiple isoform-specific and tissue-specific functions, including the regulation of osteoclast production and activity, inhibition of cell proliferation and facilitation of apoptosis. This gene is a candidate tumor suppressor, and decreased expression of this gene has been observed in several types of cancer. [provided by RefSeq, May 2011]

**Protein Families:** Phosphatase, Transmembrane

### Product images:



Coomassie blue staining of purified PTPRO protein (Cat# [TP314619]). The protein was produced from HEK293T cells transfected with PTPRO cDNA clone (Cat# [RC214619]) using MegaTran 2.0 (Cat# [TT210002]).