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Product datasheet for PH320785

GLEPP1 (PTPRO) (NM_030671) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PTPRO MS Standard C13 and N15-labeled recombinant protein (NP_109596)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220785
Predicted MW:	47.2 kDa
Protein Sequence:	>Peptide sequence encoded by RC220785 Blue=ORF Red=Cloning site Green=Tag(s) MVTEMNPNVVVISVLAILSTLLIGLLLVTLIILRKKHLQMARECGAGTFVNFASLERDGKLPYNWRRSI FAFLTLLPSCLWTDYLLAFYINPWSKNGLKKRKLTNPVQLDDFDAYIKDMAKDSDYKFSLQFEELKLIG LDIPHFAADLPLNRCKNRYTNILPYDFSRVRLVSMNEEEGADYINANYIPGYNSPQEYIATQGPLPETR NDFWKMVLQQKSQIIVMLTQCNEKRRVKCDHYWPFTEEPIAYGDITVEMISEEEQDDWACRHFRINYAD EMQDVMHFNYTAWPDHGVPTANAAESILQFVHMVRQQATKSKGPMIIHCSAGVGRTGTFIALDRLLQHI RDHEFVDILGLVSEMRSYRMSMVQTEEQYIFIHQCVQLMWMKKKQQFCISDVIYENVSKS TRTRPLEQKLISEEDLAANDILDYKDDDDKV Recombinant protein using RC220785 also available, TP320785
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:	NP_109596
RefSeq Size:	5002
RefSeq ORF:	1215
Synonyms:	GLEPP1; NPHS6; PTP-OC; PTP-U2; PTPROT; PTPU2; R-PTP-O

View online »

Locus ID: 5800

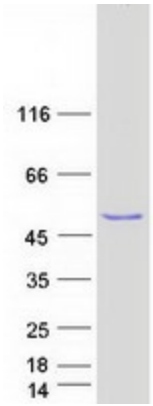
UniProt ID: Q16827, A0A024RAS9

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# [TP320785]). The protein was produced from HEK293T cells transfected with PTPRO cDNA clone (Cat# [RC220785]) using MegaTran 2.0 (Cat# [TT210002]).