

## Product datasheet for **TP320785**

### GLEPP1 (PTPRO) (NM\_030671) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein tyrosine phosphatase, receptor type, O (PTPRO), transcript variant 5, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>Peptide sequence encoded by RC220785 Blue=ORF Red=Cloning site Green=Tag(s)

MVTEMNPNVWISVLAILSTLLIGLLLVTLIILRKKHLQMARECGAGTFVNFASLERDGLPYNWRRSI  
FAFLTLLPSCSLWTDYLLAFYINPWSKNGLKKRKLTPVQLDDFDAYIKDMAKDSYKFSLQFEELKIG  
LDIPHFAADLPLNRCKNRYTNILPYDFSRVRLVSMNEEGADYINANYIPGYNSPQEYIATQGPLPETR  
NDFWKMLVQKQSQIIVMLTQCNEKRRVKCDHYWPFTEEPIAYGDITVEMISEEEQDDWACRHFRIYAD  
EMQDVMHFNYTAWPDHGVPTANAAESILQFVHMVRQQATKSKGPMIIHCSAGVGRGTGFIALDRLLQHI  
RDHEFVDILGLVSEMRYSRMSMVQTEEQYIFIHQCVQLMWMKKKQFCISDVIYENVSKS  
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Recombinant protein using RC220785 also available, [TP320785](#)

Tag:	C-Myc/DDK
Predicted MW:	47 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.



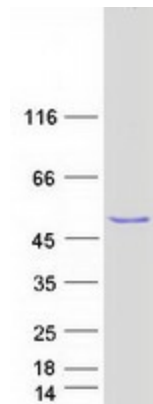
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RefSeq:	<a href="#">NP_109596</a>
Locus ID:	5800
UniProt ID:	<a href="#">Q16827</a> , <a href="#">A0A024RAS9</a>
RefSeq Size:	5002
Cytogenetics:	12p13-p12
RefSeq ORF:	1215
Synonyms:	GLEPP1; NPHS6; PTP-OC; PTP-U2; PTPROT; PTPU2; R-PTP-O

**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]).