

## Product datasheet for SC313211

### GLEPP1 (PTPRO) (NM\_030668) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GLEPP1 (PTPRO) (NM_030668) Human Untagged Clone
Tag:	Tag Free
Symbol:	GLEPP1
Synonyms:	GLEPP1; NPHS6; PTP-OC; PTP-U2; PTPROT; PTPU2; R-PTP-O
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC313211 representing NM_030668. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**  
 ATGGTTACAGAGATGAATCCCAATGTGGTAGTGATCTCCGTGCTGGCCATCCTTAGCACACTTTTAAT  
 GGACTGTTGCTTGTACCTCATTATTCTTAGGAAAAAGCATCTGCAGATGGCTAGGGAGTGTGGAGCT  
 GGTACATTTGTCAATTTTGCATCCTTAGAGAGGGATGAAAGCTTCCATACAACCTGGAGTAAAAATGGT  
 TTAAGAAGAGGAACTGACAAACCCGGTTCACTGGATGACTTTGATGCCTATATTAAGGATATGGCC  
 AAAGACTCTGACTATAAATTTTCTTTCAGTTTGAGGAGTTGAAATTGATTGGACTGGATATCCACAC  
 TTTGCTGCAGATCTTCCACTGAATCGATGTAAAAACCGTTACACAAACATCCTACCATATGACTTCAGC  
 CGTGTGAGATTAGTCTCCATGAATGAAGAGGAAGGTGCAGACTACATCAATGCCAACTATATTCCTGGA  
 TACAACCTACCCAGGAGTATATTGCCACCCAGGGGCCACTGCCTGAAACCAGAAATGACTTCTGGAAG  
 ATGGTCTCTGCAACAAAAGTCTCAGATTATTGTCATGCTCACTCAGTGTAATGAGAAAAGGAGGTGAAA  
 TGTGACCATTACTGGCCATTACGGAAGAACCTATAGCCTATGGAGACATCACTGTGGAGATGATTTCA  
 GAGGAAGAGCAGGACGACTGGGCTGTAGACACTTCCGGATCAACTATGCTGACGAGATGCAGGATGTG  
 ATGCATTTTAACCTACCTGCATGGCCTGATCATGGTGTGCCACAGCAAATGCTGCAGAAAGTATCCTG  
 CAGTTTGTACACATGGTCCGACAGCAAGCTACCAAGAGCAAAGGTCCCATGATCATTCACTGCAGTGTG  
 GGCGTGGGACGGACAGGAACATTATTGCCCTGGACAGGCTCTTGACGACATTCCGGATCATGAGTTT  
 GTTGACATCTTAGGGCTGGTGTGCAAAATGAGGTCAACCGGATGTCTATGGTACAGACAGAGGAGCAG  
 TACATTTTATCCATCAGTGTGTGCAACTGATGTGGATGAAGAAGAAGCAGCAGTTCTGCATCAGTGAT  
 GTCATATACGAGAATGTTAGCAAGTCC**TAG**  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI


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<b>ACCN:</b>	NM_030668
<b>Insert Size:</b>	1134 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_030668.2</a></u>
<b>RefSeq Size:</b>	3886 bp
<b>RefSeq ORF:</b>	1134 bp
<b>Locus ID:</b>	5800
<b>UniProt ID:</b>	<u><a href="#">Q16827</a></u>
<b>Cytogenetics:</b>	12p13-p12
<b>Domains:</b>	Y_phosphatase, PTPc_motif
<b>Protein Families:</b>	Phosphatase, Transmembrane
<b>MW:</b>	43.8 kDa

**Gene 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]

Transcript Variant: This variant (4) differs in the 5' UTR and has multiple differences in the coding region but maintains the reading frame, compared to variant 1. Variants 4 and 6 encode the same isoform (d), which is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.