

Product datasheet for RC214619L4V

OriGene Technologies, Inc.

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GLEPP1 (PTPRO) (NM_030669) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: GLEPP1 (PTPRO) (NM_030669) Human Tagged ORF Clone Lentiviral Particle

Symbol: GLEPP1

Synonyms: GLEPP1; NPHS6; PTP-OC; PTP-U2; PTPROT; PTPU2; R-PTP-O

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_030669 **ORF Size:** 1215 bp

ORF Nucleotide

.2.3.56

Sequence:

The ORF insert of this clone is exactly the same as(RC214619).

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This

clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

RefSeg: NM 030669.1, NP 109594.1

 RefSeq Size:
 3970 bp

 RefSeq ORF:
 1218 bp

 Locus ID:
 5800

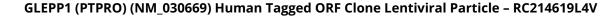
 UniProt ID:
 Q16827

Cytogenetics: 12p13-p12

Domains: Y_phosphatase

Protein Families: Phosphatase, Transmembrane





ORIGENE

MW: 47.2 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]