

## Product datasheet for RC210384L1V

## OriGene Technologies, Inc.

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## Opticin (OPTC) (NM 014359) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

**Product Name:** Opticin (OPTC) (NM\_014359) Human Tagged ORF Clone Lentiviral Particle

Symbol: Opticin OPT Synonyms:

**Mammalian Cell** 

Selection:

None

Vector: pLenti-C-Myc-DDK (PS100064)

Myc-DDK Tag: ACCN: NM 014359

**ORF Size:** 996 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC210384).

Sequence:

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.

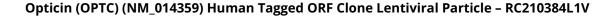
RefSeq: NM 014359.3

RefSeq Size: 1444 bp RefSeq ORF: 999 bp Locus ID: 26254 **UniProt ID:** Q9UBM4 Cytogenetics: 1q32.1

**Protein Families:** Secreted Protein

MW: 37.3 kDa







## **Gene Summary:**

Opticin belongs to class III of the small leucine-rich repeat protein (SLRP) family. Members of this family are typically associated with the extracellular matrix. Opticin is present in significant quantities in the vitreous of the eye and also localizes to the cornea, iris, ciliary body, optic nerve, choroid, retina, and fetal liver. Opticin may noncovalently bind collagen fibrils and regulate fibril morphology, spacing, and organization. The opticin gene is mapped to a region of chromosome 1 that is associated with the inherited eye diseases age-related macular degeneration (AMD) and posterior column ataxia with retinosa pigmentosa (AXPC1). [provided by RefSeq, Jul 2008]