

Product datasheet for **RC210384L4V**

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
Synonyms:	OPT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_014359
ORF Size:	996 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210384).
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



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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]