

Product datasheet for RC201546L4V

OriGene Technologies, Inc.

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Vimentin (VIM) (NM 003380) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Vimentin (VIM) (NM 003380) Human Tagged ORF Clone Lentiviral Particle

Symbol: Vimentin

Mammalian Cell Puromycin

Selection:

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

Tag: mGFP

ACCN: NM_003380 **ORF Size:** 1398 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC201546).

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: <u>NM 003380.2</u>

 RefSeq Size:
 1847 bp

 RefSeq ORF:
 1401 bp

 Locus ID:
 7431

 UniProt ID:
 P08670

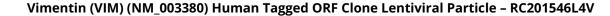
 Cytogenetics:
 10p13

Domains: filament, filament_head

Protein Families: ES Cell Differentiation/IPS

MW: 53.5 kDa







Gene Summary:

This gene encodes a type III intermediate filament protein. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The encoded protein is responsible for maintaining cell shape and integrity of the cytoplasm, and stabilizing cytoskeletal interactions. This protein is involved in neuritogenesis and cholesterol transport and functions as an organizer of a number of other critical proteins involved in cell attachment, migration, and signaling. Bacterial and viral pathogens have been shown to attach to this protein on the host cell surface. Mutations in this gene are associated with congenital cataracts in human patients. [provided by RefSeq, Aug 2017]