

## Product datasheet for RC221478L2V

## OriGene Technologies, Inc.

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## Junctional Adhesion Molecule 1 (F11R) (NM\_016946) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

**Product Name:** Junctional Adhesion Molecule 1 (F11R) (NM\_016946) Human Tagged ORF Clone Lentiviral

Particle

Symbol: Junctional Adhesion Molecule 1

Synonyms: CD321; JAM; JAM1; JAMA; JCAM; KAT; PAM-1

Mammalian Cell

Selection:

None

**Vector:** pLenti-C-mGFP (PS100071)

Tag: mGFP

**ACCN:** NM\_016946

ORF Size: 897 bp

**ORF Nucleotide** 

Sequence:

The ORF insert of this clone is exactly the same as(RC221478).

**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 016946.3</u>

 RefSeq Size:
 3660 bp

 RefSeq ORF:
 900 bp

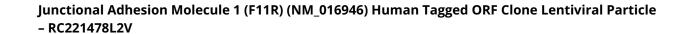
 Locus ID:
 50848

 UniProt ID:
 Q9Y624

 Cytogenetics:
 1q23.3

**Domains:** ig, IGv, IGc2, IG







**Protein Families:** Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs), Epithelial cell signaling in Helicobacter pylori infection,

Leukocyte transendothelial migration, Tight junction

MW: 32.58 kDa

Gene Summary: Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell

sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. The protein encoded by this immunoglobulin superfamily gene member is an important regulator of tight junction assembly in epithelia. In addition, the encoded protein can act as (1) a receptor for reovirus, (2) a ligand for the integrin LFA1, involved in leukocyte transmigration, and (3) a platelet receptor. Multiple 5' alternatively spliced variants, encoding the same protein, have been identified but their biological validity has not been established. [provided by RefSeq, Jul 2008]