

Product datasheet for **RC205066L1V**

Viperin (RSAD2) (NM_080657) Human Tagged ORF Clone Lentiviral Particle

Product data:

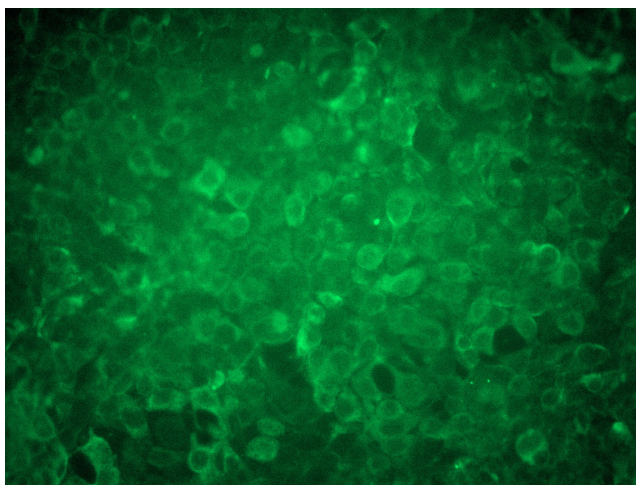
Product Type:	Lentiviral Particles
Product Name:	Viperin (RSAD2) (NM_080657) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Viperin
Synonyms:	cig5; cig33; vig1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_080657
ORF Size:	1083 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205066).
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_080657.4
RefSeq Size:	3512 bp
RefSeq ORF:	1086 bp
Locus ID:	91543
UniProt ID:	Q8WYG1
Cytogenetics:	2p25.2
Domains:	Elp3, Radical_SAM
MW:	42.2 kDa



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Gene Summary:

The protein encoded by this gene is an interferon-inducible antiviral protein that belongs to the S-adenosyl-L-methionine (SAM) superfamily of enzymes. The protein plays a role in cellular antiviral response and innate immune signaling. Antiviral effects result from inhibition of viral RNA replication, interference in the secretory pathway, binding to viral proteins and dysregulation of cellular lipid metabolism. The protein has been found to inhibit both DNA and RNA viruses, including influenza virus, human immunodeficiency virus (HIV-1) and Zika virus. [provided by RefSeq, Sep 2020]

Product images:

[RC205066L1] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC205066L1V particle to overexpress human RSAD2-Myc-DDK fusion protein.