

Product datasheet for RC201447

RILPL2 (NM_145058) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: RILPL2 (NM_145058) Human Tagged ORF Clone

Tag:Myc-DDKSymbol:RILPL2

Synonyms: RLP2

Selection:

Mammalian Cell

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)ORF Nucleotide>RC201447 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

 ${\tt TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC}$

GCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Protein Sequence: >RC201447 protein sequence

Red=Cloning site Green=Tags(s)

MEEPPVREEEEEGEEDEERDEVGPEGALGKSPFQLTAEDVYDISYLLGRELMALGSDPRVTQLQFKVVR VLEMLEALVNEGSLALEELKMERDHLRKEVEGLRRQSPPASGEVNLGPNKMVVDLTDPNRPRFTLQELRD VLQERNKLKSQLLVVQEELQCYKSGLIPPREGPGGRREKDAVVTSAKNAGRNKEEKTIIKKLFFFRSGKQ T

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6419 f08.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



CTATAGGGCGGCCG	_EcoR! GGAATTOGTOG	BamHI ACTGGATCCC		BS GGAGATCT	Cor	ozac nsensus Sgfl GCGATC	 GC C	TG -		-
ORF	NMM	ruc cer ru	Not I		AG CAG	AAA C	Myc.Tag TC ATC L I	TCA S	GAA E	GAG E
GAT CTG GCA GC	at rate out 1	V TC CTG GA I L D	-	µTag G GAT GA D D		GAT A	GTT	TAA stop	ACGG	se I COGGOO

^{*} The last codon before the Stop codon of the ORF

ACCN: NM_145058

ORF Size: 633 bp

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



Reconstitution Method:

- 1. Centrifuge at 5,000xg for 5min.
- 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
- 3. Close the tube and incubate for 10 minutes at room temperature.
- 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM 145058.2

RefSeq Size:1435 bpRefSeq ORF:636 bpLocus ID:196383

 UniProt ID:
 Q969X0

 Cytogenetics:
 12q24.31

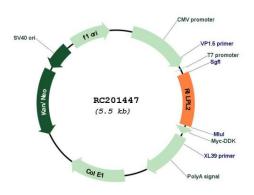
 MW:
 24 kDa

Gene Summary: This gene encodes a protein that contains a rab-interacting lysosomal protein-like domain.

This protein may be involved in regulating lysosome morphology. This protein may also be a target for the Hepatitis C virus and assist in viral replication. Alternate splicing results in

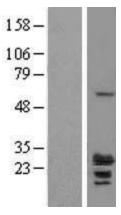
multiple transcript variants. [provided by RefSeq, Jan 2015]

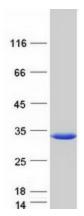
Product images:



Circular map for RC201447







Western blot validation of overexpression lysate (Cat# [LY408055]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201447 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified RILPL2 protein (Cat# [TP301447]). The protein was produced from HEK293T cells transfected with RILPL2 cDNA clone (Cat# RC201447) using MegaTran 2.0 (Cat# [TT210002]).