

# Product datasheet for RC229034L3

#### OriGene Technologies, Inc.

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## ALIX (PDCD6IP) (NM 001162429) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: ALIX (PDCD6IP) (NM\_001162429) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: ALIX

Synonyms: AIP1; ALIX; DRIP4; HP95

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

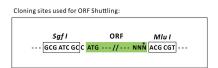
E. coli Selection: Chloramphenicol (34 ug/mL)

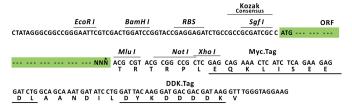
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC229034).

Sequence:

Sgfl-Mlul

Restriction Sites: Cloning Scheme:



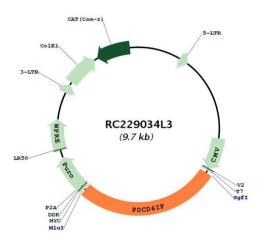


<sup>\*</sup> The last codon before the Stop codon of the ORF.





#### Plasmid Map:



**ACCN:** NM\_001162429

ORF Size: 2619 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:** <u>NM 001162429.2</u>, <u>NP 001155901.1</u>

**RefSeq Size:** 5987 bp **RefSeq ORF:** 2622 bp



### ALIX (PDCD6IP) (NM\_001162429) Human Tagged Lenti ORF Clone - RC229034L3

**Locus ID:** 10015

UniProt ID: Q8WUM4

Cytogenetics: 3p22.3

**Protein Families:** Druggable Genome

Protein Pathways: Endocytosis MW: 96.8 kDa

**Gene Summary:** This gene encodes a protein that functions within the ESCRT pathway in the abscission stage

of cytokinesis, in intralumenal endosomal vesicle formation, and in enveloped virus budding. Studies using mouse cells have shown that overexpression of this protein can block apoptosis. In addition, the product of this gene binds to the product of the PDCD6 gene, a protein required for apoptosis, in a calcium-dependent manner. This gene product also binds to endophilins, proteins that regulate membrane shape during endocytosis. Overexpression

of this gene product and endophilins results in cytoplasmic vacuolization, which may be partly responsible for the protection against cell death. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. Related pseudogenes

have been identified on chromosome 15. [provided by RefSeq, Jan 2012]