

## Product datasheet for **RC225993L3V**

### **FIP1L1 (NM\_001134937) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                                  |                                      |
|----------------------------------|--------------------------------------|
| <b>Product Type:</b>             | Lentiviral Particles                 |
| <b>Symbol:</b>                   | FIP1L1                               |
| <b>Synonyms:</b>                 | FIP1; hFip1; Rhe                     |
| <b>Mammalian Cell Selection:</b> | Puromycin                            |
| <b>Vector:</b>                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| <b>Tag:</b>                      | Myc-DDK                              |
| <b>ACCN:</b>                     | NM_001134937                         |
| <b>ORF Size:</b>                 | 1764 bp                              |

**ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as(RC225993).

**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.

|                      |                                |
|----------------------|--------------------------------|
| <b>RefSeq:</b>       | <a href="#">NM_001134937.1</a> |
| <b>RefSeq ORF:</b>   | 1767 bp                        |
| <b>Locus ID:</b>     | 81608                          |
| <b>UniProt ID:</b>   | <a href="#">Q6UN15</a>         |
| <b>Cytogenetics:</b> | 4q12                           |
| <b>MW:</b>           | 65.5 kDa                       |



**Gene Summary:**

This gene encodes a subunit of the CPSF (cleavage and polyadenylation specificity factor) complex that polyadenylates the 3' end of mRNA precursors. This gene, the homolog of yeast Fip1 (factor interacting with PAP), binds to U-rich sequences of pre-mRNA and stimulates poly(A) polymerase activity. Its N-terminus contains a PAP-binding site and its C-terminus an RNA-binding domain. An interstitial chromosomal deletion on 4q12 creates an in-frame fusion of human genes FIP1L1 and PDGFRA (platelet-derived growth factor receptor, alpha). The FIP1L1-PDGFRA fusion gene encodes a constitutively activated tyrosine kinase that joins the first 233 amino acids of FIP1L1 to the last 523 amino acids of PDGFRA. This gene fusion and chromosomal deletion is the cause of some forms of idiopathic hypereosinophilic syndrome (HES). This syndrome, recently reclassified as chronic eosinophilic leukemia (CEL), is responsive to treatment with tyrosine kinase inhibitors. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]