Product datasheet for **RC202917L4**

**Pet1 (FEV) (NM_017521) Human Tagged ORF Clone**

**Product data:**

- **Product Type:** Expression Plasmids
- **Product Name:** Pet1 (FEV) (NM_017521) Human Tagged ORF Clone
- **Tag:** mGFP
- **Symbol:** FEV
- **Synonyms:** HSRNAFEV; PET-1
- **Vector:** pHUDE4 (pLenti-C-mGFP-P2A-Puro (PS100093))
- **E. coli Selection:** Chloramphenicol (34 µg/mL)
- **Cell Selection:** Puromycin
- **ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as (RC202917).
- **Restriction Sites:** SgfI-MluI
- **Cloning Scheme:**

  ![Cloning Scheme](image)

**ACCN:** NM_017521

**ORF Size:** 714 bp
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_017521.2, NP_059991.1
RefSeq Size: 1901 bp
RefSeq ORF: 717 bp
Locus ID: 54738
Cytogenetics: 2q35
Protein Families: Druggable Genome, Transcription Factors
MW: 24.8 kDa
Gene Summary: This gene belongs to the ETS transcription factor family. ETS family members have a highly conserved 85-amino acid ETS domain that binds purine-rich DNA sequences. The alanine-rich C-terminus of this gene indicates that it may act as a transcription repressor. This gene is exclusively expressed in neurons of the central serotonin (5-HT) system, a system implicated in the pathogeny of such psychiatric diseases as depression, anxiety, and eating disorders. In some types of Ewing tumors, this gene is fused to the Ewing sarcoma (EWS) gene following chromosome translocations. [provided by RefSeq, Jul 2008]