

## Product datasheet for RC226816L3V

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## CRF1 (CRHR1) (NM\_001145146) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

Product Name: CRF1 (CRHR1) (NM\_001145146) Human Tagged ORF Clone Lentiviral Particle

Symbol: CRF1

Synonyms: CRF-R; CRF-R-1; CRF-R1; CRFR-1; CRFR-1; CRH-R-1; CRH-R1; CRHR1L

**Mammalian Cell** 

Selection:

Puromycin

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

Tag: Myc-DDK

**ACCN:** NM\_001145146

ORF Size: 1332 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC226816).

OTI Disclaimer:

**Cytogenetics:** 

Sequence:

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.

**RefSeg:** NM 001145146.1

 RefSeq ORF:
 1335 bp

 Locus ID:
 1394

 UniProt ID:
 P34998

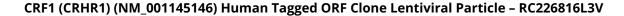
**Protein Families:** Druggable Genome, GPCR, Transmembrane

17q21.31

**Protein Pathways:** Long-term depression, Neuroactive ligand-receptor interaction

**MW:** 50.5 kDa







## **Gene Summary:**

This gene encodes a G-protein coupled receptor that binds neuropeptides of the corticotropin releasing hormone family that are major regulators of the hypothalamic-pituitary-adrenal pathway. The encoded protein is essential for the activation of signal transduction pathways that regulate diverse physiological processes including stress, reproduction, immune response and obesity. Alternative splicing results in multiple transcript variants. Naturally-occurring readthrough transcription between this gene and upstream GenelD:147081 results in transcripts that encode isoforms that share similarity with the products of this gene. [provided by RefSeq, Aug 2016]