

# Product datasheet for RC227857L2

## OriGene Technologies, Inc.

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## NFYC (NM\_001142587) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** NFYC (NM\_001142587) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: NFYC

Synonyms: CBF-C; CBFC; H1TF2A; HAP5; HSM; NF-YC

Mammalian Cell None

Selection:

Vector:pLenti-C-mGFP (PS100071)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC227857).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_001142587

ORF Size: 1005 bp





### NFYC (NM\_001142587) Human Tagged Lenti ORF Clone - RC227857L2

**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 001142587.1, NP 001136059.1</u>

 RefSeq ORF:
 1005 bp

 Locus ID:
 4802

 UniProt ID:
 Q13952

Cytogenetics: 1p34.2

**Protein Families:** Transcription Factors

**Protein Pathways:** Antigen processing and presentation

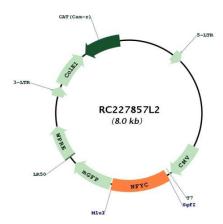
MW: 36.9 kDa

**Gene Summary:** This gene encodes one subunit of a trimeric complex forming a highly conserved

transcription factor that binds with high specificity to CCAAT motifs in the promoters of a variety of genes. The encoded protein, subunit C, forms a tight dimer with the B subunit, a prerequisite for subunit A association. The resulting trimer binds to DNA with high specificity and affinity. Subunits B and C each contain a histone-like motif. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]



# **Product images:**



Circular map for RC227857L2