

## **Product datasheet for RC218121L2**

#### OriGene Technologies, Inc.

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### RBPJK (RBPJ) (NM\_005349) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: RBPJK (RBPJ) (NM\_005349) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: RBPJK

Synonyms: AOS3; CBF-1; CBF1; csl; IGKJRB; IGKJRB1; KBF2; RBP-J; RBP-JK; RBP-J kappa; RBPJK; RBPSUH;

SUH

**Mammalian Cell** 

Selection:

None

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

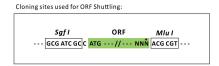
**ORF Nucleotide** 

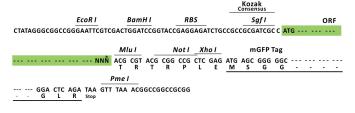
The ORF insert of this clone is exactly the same as(RC218121).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_005349

ORF Size: 1500 bp





#### RBPJK (RBPJ) (NM\_005349) Human Tagged Lenti ORF Clone - RC218121L2

**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 005349.2</u>

RefSeq Size:2388 bpRefSeq ORF:1503 bpLocus ID:3516

UniProt ID: Q06330

Cytogenetics: 4p15.2

Protein Families: Transcription Factors

Protein Pathways: Notch signaling pathway

**MW:** 55.5 kDa

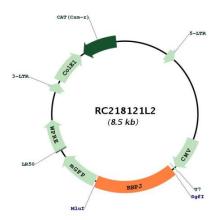
**Gene Summary:** The protein encoded by this gene is a transcriptional regulator important in the Notch

signaling pathway. The encoded protein acts as a repressor when not bound to Notch proteins and an activator when bound to Notch proteins. It is thought to function by recruiting chromatin remodeling complexes containing histone deacetylase or histone acetylase proteins to Notch signaling pathway genes. Several transcript variants encoding different isoforms have been found for this gene, and several pseudogenes of this gene exist

on chromosome 9. [provided by RefSeq, Oct 2013]



# **Product images:**



Circular map for RC218121L2