

## **Product datasheet for RC209804L1**

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## c-Jun (JUN) (NM\_002228) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: c-|un (JUN) (NM 002228) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

**Symbol:** c-Jun

**Synonyms:** AP-1; AP1; c-Jun; cJUN; p39

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

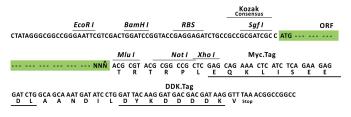
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC209804).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





 $<sup>\</sup>ensuremath{^*}$  The last codon before the Stop codon of the ORF.

**ACCN:** NM\_002228

ORF Size: 993 bp



#### c-Jun (JUN) (NM\_002228) Human Tagged Lenti ORF Clone - RC209804L1

**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 002228.3</u>

 RefSeq Size:
 3338 bp

 RefSeq ORF:
 996 bp

 Locus ID:
 3725

 UniProt ID:
 P05412

**Cytogenetics:** 1p32.1

Domains: BRLZ, Jun

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

**Protein Pathways:** B cell receptor signaling pathway, Colorectal cancer, Epithelial cell signaling in Helicobacter

pylori infection, ErbB signaling pathway, Focal adhesion, GnRH signaling pathway, MAPK signaling pathway, Neurotrophin signaling pathway, Pathways in cancer, Renal cell carcinoma, T cell receptor signaling pathway, Toll-like receptor signaling pathway, Wnt signaling pathway

MW: 35.5 kDa

**Gene Summary:** This gene is the putative transforming gene of avian sarcoma virus 17. It encodes a protein

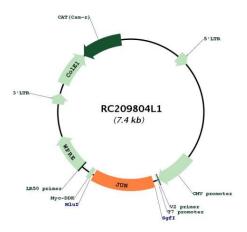
which is highly similar to the viral protein, and which interacts directly with specific target DNA sequences to regulate gene expression. This gene is intronless and is mapped to 1p32-

p31, a chromosomal region involved in both translocations and deletions in human

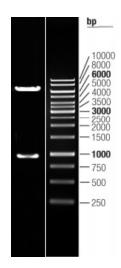
malignancies. [provided by RefSeq, Jul 2008]



# **Product images:**



Circular map for RC209804L1



Double digestion of RC209804L1 using Sgfl and Miul