

## Product datasheet for RC206204L4

## ELL2 (NM\_012081) Human Tagged Lenti ORF Clone

## **Product data:**

**Product Type:** Expression Plasmids

Product Name: ELL2 (NM\_012081) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: ELL2

Synonyms: MRCCAT1

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC206204).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

ACCN: NM\_012081

ORF Size: 1920 bp



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## ELL2 (NM\_012081) Human Tagged Lenti ORF Clone - RC206204L4

**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 012081.3</u>

RefSeq Size: 6063 bp
RefSeq ORF: 1923 bp
Locus ID: 22936
UniProt ID: 000472
Cytogenetics: 5q15

**Protein Families:** Transcription Factors

**MW:** 72.4 kDa

**Gene Summary:** Elongation factor component of the super elongation complex (SEC), a complex required to

increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA. Component of the little elongation complex (LEC), a complex required to regulate small nuclear RNA (snRNA) gene

transcription by RNA polymerase II and III (PubMed:22195968). Plays a role in

immunoglobulin secretion in plasma cells: directs efficient alternative mRNA processing, influencing both proximal poly(A) site choice and exon skipping, as well as immunoglobulin heavy chain (IgH) alternative processing. Probably acts by regulating histone modifications accompanying transition from membrane-specific to secretory IgH mRNA expression.

[UniProtKB/Swiss-Prot Function]