

## Product datasheet for RC210230L4

#### OriGene Technologies, Inc.

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## EBP1 (PA2G4) (NM\_006191) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: EBP1 (PA2G4) (NM\_006191) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: EBP1

Synonyms: EBP1; HG4-1; p38-2G4

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(RC210230).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

ACCN: NM\_006191

ORF Size: 1182 bp



### EBP1 (PA2G4) (NM\_006191) Human Tagged Lenti ORF Clone - RC210230L4

**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 006191.2</u>

RefSeq Size:2643 bpRefSeq ORF:1185 bpLocus ID:5036

UniProt ID: Q9UQ80

Cytogenetics: 12q13.2

**Domains:** Peptidase M24

**Protein Families:** Druggable Genome, Protease, Stem cell - Pluripotency

**MW:** 43.6 kDa

**Gene Summary:** This gene encodes an RNA-binding protein that is involved in growth regulation. This protein

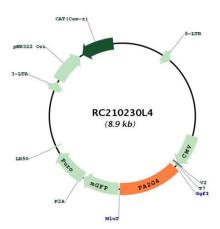
is present in pre-ribosomal ribonucleoprotein complexes and may be involved in ribosome assembly and the regulation of intermediate and late steps of rRNA processing. This protein can interact with the cytoplasmic domain of the ErbB3 receptor and may contribute to transducing growth regulatory signals. This protein is also a transcriptional co-repressor of androgen receptor-regulated genes and other cell cycle regulatory genes through its

interactions with histone deacetylases. This protein has been implicated in growth inhibition

and the induction of differentiation of human cancer cells. Six pseudogenes, located on chromosomes 3, 6, 9, 18, 20 and X, have been identified. [provided by RefSeq, Jul 2008]



# **Product images:**



Circular map for RC210230L4