

Product datasheet for RC207937L4

OriGene Technologies, Inc.

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AIBZIP (CREB3L4) (NM_130898) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: AIBZIP (CREB3L4) (NM_130898) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: AIBZIP

Synonyms: AIBZIP; ATCE1; CREB3; CREB4; hJAL; JAL

Mammalian Cell Puromycin

Selection:

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

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

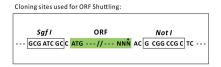
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC207937).

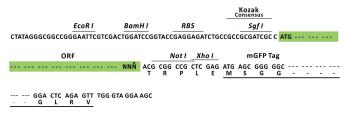
Sgfl-Notl

Sequence:

c.

Restriction Sites: Cloning Scheme:



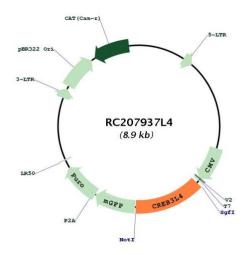


^{*} The last codon before the Stop codon of the ORF





Plasmid Map:



ACCN: NM_130898 **ORF Size:** 1185 bp

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 130898.2</u>

RefSeq Size: 1849 bp RefSeq ORF: 1188 bp



AIBZIP (CREB3L4) (NM_130898) Human Tagged Lenti ORF Clone - RC207937L4

 Locus ID:
 148327

 UniProt ID:
 Q8TEY5

 Cytogenetics:
 1q21.3

 Domains:
 BRLZ

Protein Families: Transcription Factors

Protein Pathways: Huntington's disease, Melanogenesis, Prostate cancer

MW: 43.4 kDa

Gene Summary: This gene encodes a CREB (cAMP responsive element binding) protein with a transmembrane

domain which localizes it to the ER membrane. The encoded protein is a transcriptional activator which contains a dimerization domain, and this protein may function in a number of processing pathways including protein processing. Multiple transcript variants encoding

different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]