

Product datasheet for RR209683L3

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OriGene Technologies, Inc.

Creb3l3 (NM_001012115) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Creb3l3 (NM 001012115) Rat Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Creb3l3

Synonyms: MGC109013

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RR209683).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_001012115

ORF Size: 1410 bp





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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 001012115.1</u>, <u>NP 001012115.1</u>

RefSeq Size: 1956 bp
RefSeq ORF: 1413 bp
Locus ID: 314638
UniProt ID: Q5FVM5
Cytogenetics: 7q11

Gene Summary: Transcription factor that may act during endoplasmic reticulum stress by activating unfolded

protein response target genes. Activated in response to cAMP stimulation. Binds the cAMP response element (CRE). Activates transcription through box-B element and CRE. Seems to function synergistically with ATF6. In acute inflammatory response, may activate expression of acute phase response (APR) genes (By similarity). May be involved in growth suppression.

[UniProtKB/Swiss-Prot Function]