

Product datasheet for RC209289L3

OriGene Technologies, Inc.

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CREB5 (NM_001011666) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CREB5 (NM_001011666) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: CREB5

Synonyms: CRE-BPA; CREB-5; CREBPA

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(RC209289).

Sequence:

Sgfl-Mlul

Restriction Sites: Cloning Scheme:





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

ACCN: NM_001011666

ORF Size: 1107 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 001011666.1</u>

 RefSeq Size:
 7772 bp

 RefSeq ORF:
 1110 bp

 Locus ID:
 9586

 UniProt ID:
 Q02930

 Cytogenetics:
 7p15.1

Protein Families: Transcription Factors

Protein Pathways: Huntington's disease, Prostate cancer

MW: 41.2 kDa

Gene Summary: The product of this gene belongs to the CRE (cAMP response element)-binding protein family.

Members of this family contain zinc-finger and bZIP DNA-binding domains. The encoded protein specifically binds to CRE as a homodimer or a heterodimer with c-Jun or CRE-BP1, and

functions as a CRE-dependent trans-activator. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]