

Product datasheet for RC217789L3

CREM (NM_182720) Human Tagged Lenti ORF Clone

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Product data:

Product Type: Expression Plasmids

Product Name: CREM (NM_182720) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: CREM

Synonyms: CREM-2; hCREM-2; ICER

Mammalian Cell Puromycin

Selection:

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

Sgfl-Mlul

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

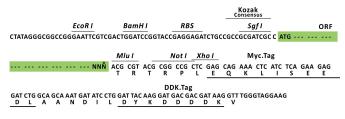
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC217789).

Sequence:

Restriction Sites: Cloning Scheme:

Sgf 1 ORF Mlu I

GGG ATC GC ATG ---//--- NNN ACG CGT ---



 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_182720

ORF Size: 324 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 182720.1</u>

RefSeq Size: 1955 bp
RefSeq ORF: 327 bp
Locus ID: 1390

 UniProt ID:
 Q03060

 Cytogenetics:
 10p11.21

Protein Families: Druggable Genome, Transcription Factors

MW: 11.9 kDa

Gene Summary: This gene encodes a bZIP transcription factor that binds to the cAMP responsive element

found in many viral and cellular promoters. It is an important component of cAMP-mediated signal transduction during the spermatogenetic cycle, as well as other complex processes. Alternative promoter and translation initiation site usage allows this gene to exert spatial and temporal specificity to cAMP responsiveness. Multiple alternatively spliced transcript variants encoding several different isoforms have been found for this gene, with some of them

functioning as activators and some as repressors of transcription. [provided by RefSeq, Jul

2008]