

Product datasheet for RC203686L3

OriGene Technologies, Inc.

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CIDE C (CIDEC) (NM_022094) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CIDE C (CIDEC) (NM_022094) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: CIDE C

Synonyms: CIDE-3; CIDE3; FPLD5; FSP27

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(RC203686).

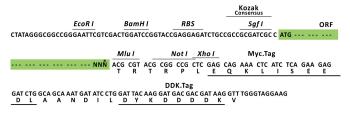
Sequence:

Restriction Sites: Cloning Scheme:

Cloning sites used for ORF Shuttling:

Sgf I ORF Mlu I

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



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

ACCN: NM_022094

ORF Size: 714 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 022094.2</u>

 RefSeq Size:
 1298 bp

 RefSeq ORF:
 717 bp

 Locus ID:
 63924

 UniProt ID:
 Q96AQ7

Cytogenetics: 3p25.3

Protein Families: Druggable Genome

MW: 26.8 kDa

Gene Summary: This gene encodes a member of the cell death-inducing DNA fragmentation factor-like

effector family. Members of this family play important roles in apoptosis. The encoded

protein promotes lipid droplet formation in adipocytes and may mediate adipocyte apoptosis.

This gene is regulated by insulin and its expression is positively correlated with insulin sensitivity. Mutations in this gene may contribute to insulin resistant diabetes. A pseudogene

of this gene is located on the short arm of chromosome 3. Alternatively spliced transcript variants that encode different isoforms have been observed for this gene. [provided by

RefSeq, Dec 2010]