

Product datasheet for **RG203686**

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

Product data:

Product Type:	Expression Plasmids
Product Name:	CIDE C (CIDE C) (NM_022094) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CIDE C
Synonyms:	CIDE-3; CIDE3; FPLD5; FSP27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203686 representing NM_022094 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATACGCCATGAAGTCCCTTAGCCTTCTGTACCCCAAGTCCCTCTCCAGGCATGTGTCAGTGCCTA
CCTCTGTGGTGACCCAGCAGCTGCTGTCGGAGCCAGCCCCAAGGCCCCAGGGCCCGCCCTGCCGCT
AAGCACGGCGGATCGAAGCGTGAGGAAGGGCATCATGGCTTACAGTCTTGAGGACCTCCTCTCAAGGTC
CGGGACACTCTGATGCTGGCAGACAAGCCCTTCTCCTGGTGTGGAGGAAGATGGCACAACCTGTAGAGA
CAGAAGAGTACTTCCAAGCCCTGGCAGGGGATACAGTGTTCATGGTCTCCAGAAGGGGCAGAAATGGCA
GCCCCATCAGAACAGGGGACAAGGCACCCACTGTCCCTCTCCATAAGCCTGCCAAGAAGATTGATGTG
GCCCGTGAACGTTTGTCTGTACAAGCTGAACCCACAGGACTTCATTGGCTGCCTGAACGTGAAGGCGA
CTTTTTATGATACATACTCCCTTTCCTATGATCTGCACTGCTGTGGGGCCAAGCGCATCATGAAGGAAGC
TTTCCGCTGGGCCCTCTCAGCATGCAGGCCACAGGCCACGACTGCTTGGCACCTCCTGTTACCTGCAG
CAGCTCCTCGATGCTACGGAGGAAGGGCAGCCCCCAAGGGCAAGGCCTCATCCCTATCCCGACCTGTC
TGAAGATACTGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203686 representing NM_022094
 Red=Cloning site Green=Tags(s)

```
MEYAMKSLSLLYPKLSLRHVSVRTSVVTQQLLSEPSKAPRARPCRVSTADRSVRKGMAYSLEDLLKVRD
TLMADKPFLLVLEEDGTTVETEEYFQALAGDTVFMVLQKGQKWQPPSEQGTRHPLSLSHKPAKKIDV
ARVTFDLYKLNQDFIGCLNVKATFYDYSLSYDLHCCGAKRIMKEAFRWALFSMQATGHVLLGTSCYLQ
QLLDATEEGQPPKGKASSLIPTCLKILQ
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022094

ORF Size: 714 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: [NM_022094.2](#), [NP_071377.2](#)

RefSeq Size: 1305 bp

RefSeq ORF: 717 bp

Locus ID: 63924

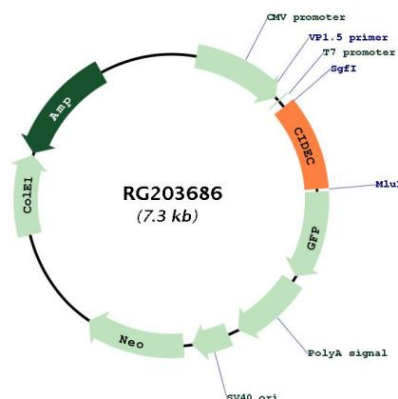
UniProt ID: [Q96AQ7](#)

Cytogenetics: 3p25.3

Protein Families: Druggable Genome

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]

Product images:



Circular map for RG203686