

Product datasheet for **RC203686**

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:	Myc-DDK
Symbol:	CIDE C
Synonyms:	CIDE-3; CIDE3; FPLD5; FSP27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203686 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATACGCCATGAAGTCCCTTAGCCTTCTGTACCCCAAGTCCCTCTCCAGGCATGTGTCAGTGCCTA
CCTCTGTGGTGACCCAGCAGCTGCTGTCGGAGCCAGCCCAAGGCCCCAGGGCCCGCCCTGCCGCT
AAGCACGGCGGATCGAAGCGTGAGGAAGGGCATCATGGCTTACAGTCTTGAGGACCTCCTCTCAAGGTC
CGGGACACTCTGATGCTGGCAGACAAGCCCTTCTCCTGGTGTGGAGGAAGATGGCACAACCTGTAGAGA
CAGAAGAGTACTTCCAAGCCCTGGCAGGGGATACAGTGTTCATGGTCTCCAGAAGGGGCAGAAATGGCA
GCCCCATCAGAACAGGGGACAAGGCACCCACTGTCCCTCTCCATAAGCCTGCCAAGAAGATTGATGTG
GCCCGTGAACGTTTGTCTGTACAAGCTGAACCCACAGGACTTCATTGGCTGCCTGAACGTGAAGGCGA
CTTTTTATGATACATACTCCCTTTCCTATGATCTGCACTGCTGTGGGGCCAAGCGCATCATGAAGGAAGC
TTTCCGCTGGGCCCTCTCAGCATGCAGGCCACAGGCCACGACTGCTTGGCACCTCCTGTTACCTGCAG
CAGCTCCTCGATGCTACGGAGGAAGGGCAGCCCCCAAGGGCAAGGCCTCATCCCTATCCCGACCTGTC
TGAAGATACTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC203686 protein sequence
Red=Cloning site Green=Tags(s)

MEYAMKSLSLLYPKSLSRHVSVRTSVVTQQLLSEPSKAPRARPCRVSTADRSVRKGMAYSLEDLLKLV
 RDTLMLADKPFLLVLEEDGTTVETEEYFQALAGDVTVMVLQKGGKQWPPSEQGTRHPLSLSHKPAKKIDV
 ARVTFDLYKLNPDQDFIGCLNVKATFYDYSLSYDLHCCGAKRIMKEAFRWALFSMQATGHVLLGTSCYLQ
 QLLDATEEGQPPKGKASSLIPTCLKILQ

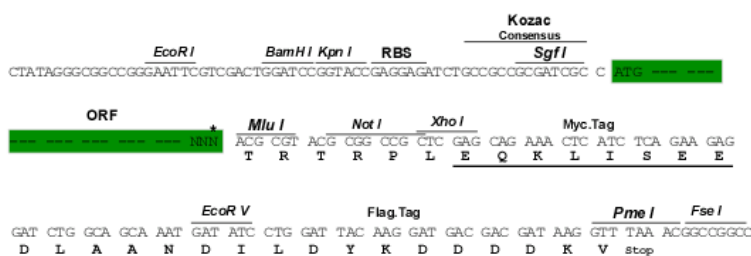
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6011_f09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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_022094.3](#)

RefSeq Size: 1298 bp

RefSeq ORF: 717 bp

Locus ID: 63924

UniProt ID: [Q96AQ7](#)

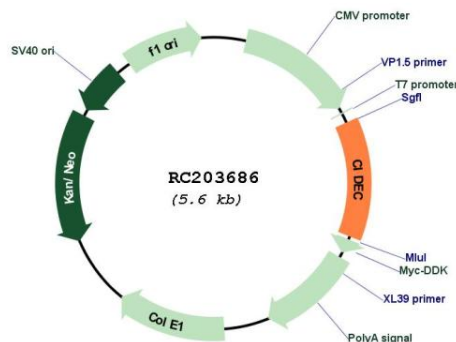
Cytogenetics: 3p25.3

Protein Families: Druggable Genome

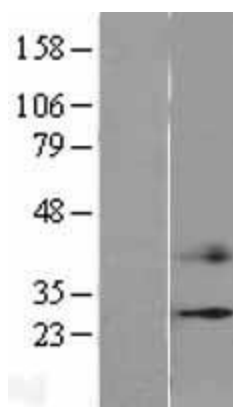
MW: 26.8 kDa

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]

Product images:



Circular map for RC203686



Western blot validation of overexpression lysate (Cat# [LY402906]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203686 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).