

## Product datasheet for **RG232287**

### CIDE C (CIDE C) (NM\_001199623) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CIDE C (CIDE C) (NM_001199623) 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:	>RG232287 representing NM_001199623 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGAAACATGGAGTCCAACGCAGTCCAGCTGACAAGGATGGAATACGCCATGAAGTCCCTTAGCCTTC  
TCTACCCCAAGTCCCTCTCCAGGCATGTGTGAGTGCCTACCTCTGTGGTGACCCAGCAGCTGCTGTCGGA  
GCCAGCCCAAGGCCCCAGGGCCCGCCCTGCCGCGTAAGCACGGCGGATCGAAGCGTGAGGAAGGGC  
ATCATGGCTTACAGTCTTGAGGACCTCCTCCTCAAGTCCGGGACACTCTGATGCTGGCAGACAAGCCCT  
TCTTCTGGTGTGGAGGAAGATGGCACAAGTGTAGAGACAGAAGAGTACTTCCAAGCCCTGGCAGGGGA  
TACAGTGTTCATGGTCTCCAGAAGGGCAGAAATGGCAGCCCCATCAGAACAGGGGACAAGGCACCCA  
CTGTCCCTCTCCATAAGCCTGCCAAGAAGATTGATGTGGCCCGTGAACGTTTGTATCTGTACAAGCTGA  
ACCCACAGGACTTCATTGGCTGCCTGAACGTGAAGGCGACTTTTTATGATACATACTCCCTTTCTATGA  
TCTGCACTGCTGTGGGGCAAGCGCATCATGAAGGAAGCTTTCGCTGGGCCCTTTCAGCATGCAGGCC  
ACAGGCCACGTAAGTGTGGCACCTCCTGTTACCTGCAGCAGCTCCTCGATGCTACGGAGGAAGGGCAGC  
CCCCAAGGGCAAGGCCTATCCCTTATCCCGACCTGTCTGAAGATACTGCAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG232287 representing NM\_001199623  
Red=Cloning site Green=Tags(s)

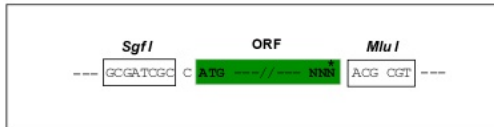
MRNMESNAVQLTRMEYAMKSLSLLYPKSLSRHVSVRTSVVTQQLLSEPSPKAPRARPCRVSTADRSVRKG  
 IMAYSLEDLLLKVRDTLMLADKPFLLVLEEDGTTVETEEYFQALAGDTVFMVLQKGQKWQPPSEQGTRHP  
 LSLSHKPAKKIDVARVTFDLYKLNPDQFIGCLNVKATFYDYSLSYDLHCCGAKRIMKEAFRWALFSMQA  
 TGHVLLGTSCYLQQLDATEEGQPPKPKASSLIPTCLKILQ

TRTRPLE - GFP Tag - V

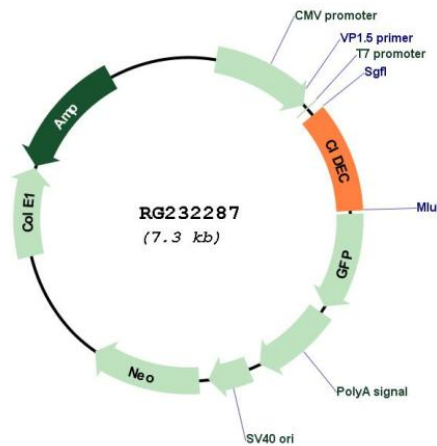
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001199623

**ORF Size:** 753 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001199623.1</a> , <a href="#">NP_001186552.1</a>
<b>RefSeq Size:</b>	1217 bp
<b>RefSeq ORF:</b>	756 bp
<b>Locus ID:</b>	63924
<b>UniProt ID:</b>	<a href="#">Q96AQ7</a>
<b>Cytogenetics:</b>	3p25.3
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	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]