

Product datasheet for SC123395

CIDE A (CIDEA) (NM_198289) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CIDE A (CIDEA) (NM_198289) Human Untagged Clone
Tag:	Tag Free
Symbol:	CIDE A
Synonyms:	cell death-inducing DFFA-like effector a; cell death activator; CIDE-A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_198289 edited

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CCCAGGAACCCCGAGCAAAGCTTCCGCGATGCGAGGGGACCGGGCTTCTGGGGTCTCTGG
AAATCACAAACGGGAGCTGGGCGCGGGAGGGGCCAGGCTTGGCCCTCCTGGAAGCGCGG
GCTCTGGTCTCCGAGGGGAGGCCCAACCGTCCGGCGGAGCCCTCCAGGCCCTGACATT
TATGGGATCACAGACTAAGCGAGTCCTGTTACCCCGCTCATGCATCCAGCTCGCCCTTT
CCGGGTCTCCAACCATGACAGGAGCAGCCGGCGTGGGGTGATGGCAAGCAGCCTGCAGGA
GCTCATCAGCAAGACTCTGGATGCCCTCGTCATCGCTACCGGACTGGTCACTCTGGTGCT
GGAGGAAGATGGCACCGTGGTGGACACAGAAGAGTTCTTTCAGACCTTGGGAGACAACAC
GCATTTTCATGATCTTGGAAAAAGGACAGAAGTGGATGCCGGGCAGCCAGCACGTCCCCAC
TTGCTCGCCGCCAAGAGGTCGGGAATAGCGAGAGTCACCTTCGACTTGTACAGGCTGAA
CCCCAAGGACTTCATCGGCTGCCTTAACGTGAAGGCCACCATGTATGAGATGTAATCCGT
GTCCTACGACATCCGGTGACGGGACTCAAGGGCCTGCTGAGGAGTCTGCTGCGGTTCTCT
GTCCTACTCCGCCAGGTGACGGGACAGTTTCTCATCTATCTGGGCACATACATGCTCCG
GGTGCTGGATGACAAGGAAGAGCGGCCATCCCTCCGGTACAAGCCAAGGGCAGGTTTAC
GTGTGGATAGGGATGCAGGCTGTCGCGGCTCTTGAGCCAAACACTGTGTTTCGTTTGGC
TCAATGACGAATGTTGAAGATGCTTTTATGTTCTGAGCCACATGCACTTGGAGGCCGCTG
GTCACGCTGCTCAGGAGTGGTGCCAGAAAAGGAAAGGGCTTGGTGGTACATGAAGTGGG
GGCAGTGGGAGGCTGCCCTGGGGGGAGGCATAGAGGGCCCTGGGGGTATGGGAAGCG
AGCACGCAGCAGGCGTGCCAGGAGCGTGTGCATGTGTGAGGCCATTTGGTCCATCATC
TCCTGCAATAAACCCATCGCAAGAATGACCTTCAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198289 unedited <pre> TTGTCCGACTACTTGGTTTGTTCACGATTTTATAGGCGGCCGCGNATCCCGGGATCCC AGNAACCCCGAGCAAAGCTTCCGCGATGCGAGGGGACCGGGCTTCTGGGGNTCCTGGNA AATCACAACGGGAGCTGGGCGCGGGAGGGGCCAGGCTTGGCCCTCCTGGAAGCGCGGG CTCTGGTCTCCGAGGGGAGGCCCAACCGTCCGGCGGAGCCCTCAGGCCCTGACATTT ATGGGATCACAGACTAAGCGAGTCCTGTTACCCCGCTCATGCATCCAGTCGCCCCTTC CGGGTCTCCAACCATGACAGGAGCAGCCGGCGTGGGGTGATGGCAAGCAGCCTGCAGGAG CTCATCAAGCAAGACTCTGGATGCCCTCGTCATCGCTACCGGACTGGTCACTCTGGTGCTG GAGGAAGATGGCACCGTGGTGGACACAGAAGAGTTCTTTCAGACCTTGGGAGACAACACG CATTTTCATGATCTTGAAAAAGGACAGAAGTGATGCCGGGCAGCCAGCACGTCCCCACT TGCTCGCCGCCGAAGAGGTGCGGAATAGCGAGAGTCACCTTCGACTTGTACAGGCTGAAC CCCAAGGACTTCATCGGCTGCCTTAACGTGAAGGCCACCATGTATGAGATGTAATCCGTG TCCTACGACATCCGGTGCACGGGACTCAAGGGCCTGCTGAGGAGTCTGCTGCGGTTCTG TCCTACTCGCCAGGTGACNGGACAGTTTCTCATCTATCTGGGCACATACATGCTCCGG GTGCTGGATGACAGGAAGAGCGGCCATCCCTCCGGTACAAGCCAAGGGCAGGTTACGT GTGGATAGGGATGCAAGCTGTGCCGGCTCTTGAGCCANACACTGTGTTTCGTTTGGCTC AATGACGAATGTTGAAGATGC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_198289
Insert Size:	1164 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_198289.1</u> , <u>NP_938031.1</u>
RefSeq Size:	1113 bp
RefSeq ORF:	762 bp
Locus ID:	1149
Cytogenetics:	18
Protein Families:	Druggable Genome

Gene Summary:

This gene encodes the homolog of the mouse protein Cidea that has been shown to activate apoptosis. This activation of apoptosis is inhibited by the DNA fragmentation factor DFF45 but not by caspase inhibitors. Mice that lack functional Cidea have higher metabolic rates, higher lipolysis in brown adipose tissue and higher core body temperatures when subjected to cold. These mice are also resistant to diet-induced obesity and diabetes. This suggests that in mice this gene product plays a role in thermogenesis and lipolysis. Alternatively spliced transcripts have been identified. [provided by RefSeq, Aug 2010]

Transcript Variant: This variant (2) differs in the 5' UTR and CDS, compared to variant 1. The resulting protein (isoform 2) is longer and has a distinct N-terminus, compared to isoform 1.