

Product datasheet for SC302998

CIDE A (CIDEA) (NM_001279) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CIDE A (CIDEA) (NM_001279) Human Untagged Clone
Tag:	Tag Free
Symbol:	CIDE A
Synonyms:	CIDE-A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_001279 edited</p> <p>CGCCATGGAGGCCCGCCGGGACTATGCAGGAGCCCTCATCAGGCCCTGACATTTATGGG ATCAGAGCTAAGCGAGTCCTGTTACCCCGCTCATGCATCCAGCTCGCCCTTTCCGGGT CTCCAACCATGACAGGAGCAGCCGGCGTGGGGTGATGGCAAGCAGCCTGCAGGAGCTCAT CAGCAAGACTCTGGATGCCCTCGTCATCGCTACCGGACTGGTCACTCTGGTGCTGGAGGA AGATGGCACCGTGGTGACACAGAAGAGTTCTTTAGACCTTGGGAGACAACACGCATTT CATGATCTTGAAAAAGGACAGAAGTGATGCCGGGCAGCCAGCACGTCCCCACTTGCTC GCCGCCAAGAGGTGCGGAATAGCGAGAGTCACCTTCGACTTGTACAGGCTGAACCCCAA GGACTTCATCGGCTGCCTTAACGTGAAGGCCACCATGTATGAGATGTACTCCGTGTCCTA CGACATCCGGTGACGGGACTCAAGGGCCTGCTGAGGAGTCTGCTGCGGTTCTGTCCTA CTCCGCCAGGTGACGGGACAGTTTCTCATCTATCTGGGCACATACATGCTCCGGGTGCT GGATGACAAGGAAGAGCGGCCATCCCTCCGGTCAAGCCAAGGGCAGGTTACAGTGTGG ATAGGGATGCAGGCTGTGCGCGGCTCTTGAGCCAAACACTGTGTTTCGTTTGGCTCAATG ACGAATGTTGAAGATGCTTTTATGTTCTGAGCCACATGCACTTGGAGGCCGCTGGTCACG CTGCTCAGGAGTGGTGCCAGAAAAGGAAAGGGCTTGGTGGTACATGAAGTGGGGCAGT GGGCAGGGTGCCCTGGGGGGGAGGCATAGAGGGCCCTGGGGGTGATGGGAAGCGAGCAGC CAGCAGGCGTGCCAGGAGCGTGTGCATGTGTCAGAGCCATTTGGTCCATCATCTCCTGC AATAAACCCATCGCAAGAATGACCTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAA</p>
Restriction Sites:	Please inquire
ACCN:	NM_001279
Insert Size:	1000 bp


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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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a good match to NM_001279.2.
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:	<ol style="list-style-type: none"> 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_001279.2</u> , <u>NP_001270.1</u>
RefSeq Size:	996 bp
RefSeq ORF:	660 bp
Locus ID:	1149
UniProt ID:	<u>O60543</u>
Cytogenetics:	18
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the shorter isoform (1).</p>