

Product datasheet for **SC101633**

CISD2 (BC032300) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CISD2 (BC032300) Human Untagged Clone
Tag:	Tag Free
Symbol:	CISD2
Synonyms:	CDGSH iron sulfur domain 2; endoplasmic reticulum intermembrane small protein; ERIS; Miner1; mitoNEET related 1; WFS2; ZCD2; zinc finger, CDGSH-type domain 2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC032300, the custom clone sequence may differ by one or more nucleotides

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ATGGTGCTGGAGAGCGTGGCCCGTATCGTGAAGGTGCAGCTCCCTGCATATCTGAAGCGGCTCCCAGTCC
CTGAAAGCATTACCGGGTTCGCTAGGCTCACAGTTTCAGAATGGCTTCGGTTATTGCCTTTCCTTGGTGT
ACTCGCACTTCTTGGCTACCTTGCACTTCGTCATTCTCCCGAAGAAGAAACAACAAGAAGGATAGCTTG
ATTAATCTTAAAAACAAAAGGAAAATCCGAAAGTAGTGAATGAAATAAACATTGAAGATTTGTGTCTTA
CTAAAGCAGCTTATTGTAGGTGTGGCGTTCTAAAACGTTTCCTGCCTGCGATGGTTCACATAATAAACA
CAATGAATTGACAGGAGATAATGTGGTCCACTAATACTGAAGAAGAAAGAAGTATAA
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5' Read Nucleotide Sequence: >OriGene 5' read for BC032300 unedited

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GCACGAGGCCGAGGCCGAGTGCAGTCCCGCCGCGCTTCCGCTCCCGGCGCAGGCGCTGCA
GCTTGGCCAGAGCGGAGGGGGCTCGGGAGAGGAGTGGACGCCGCTGGCCAGGATGGTGT
GGAGAGCGTGGCCCGTATCGTGAAGGTGCAGCTCCCTGCATATCTGAAGCGGCTCCCAGT
CCCTGAAAGCATTACCGGGTTCGCTAGGCTCACAGTTTCAGAATGGCTTCGGTTATTGCC
TTTCTTGGTGTACTCGCACTTCTTGGCTACCTTGCACTTCGTCATTCTCCCGAAGAA
GAAACAACAAGAAGGATAGCTTGATTAATCTTAAAAACAAAAGGAAAATCCGAAAGTAGT
GAATGAAATAAACATTGAAGATTTGTGTCTTAAAGCAGCTTATTGTAGGTGTTGGCG
TTCTAAAACGTTTCTGCCTGCGATGGTTCACATAATAACACAATGAATTGACAGGAGA
TAATGTGGGTCCACTAATACTGAAGAAGAAAGAAGTATAATAATAACAATATTTTCT
CATTCTTTGTGTATAGAAAATTTAAAATGGTGGTCTTAATTATTACTACTGTTGAACA
ATTATTTCTTCAATTTATTTTCTTCTGCACTAC
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Restriction Sites: NotI-NotI



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ACCN:	BC032300
Insert Size:	2500 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:	<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:	BC032300.1 , AAH32300.1
RefSeq Size:	1617 bp
RefSeq ORF:	1617 bp
Locus ID:	493856
Cytogenetics:	4q24
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene is a zinc finger protein that localizes to the endoplasmic reticulum. The encoded protein binds an iron/sulfur cluster and may be involved in calcium homeostasis. Defects in this gene are a cause of Wolfram syndrome 2. [provided by RefSeq, Mar 2011]