

## Product datasheet for **SC323954**

### CISD2 (NM\_001008388) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CISD2 (NM_001008388) Human Untagged Clone
Tag:	Tag Free
Symbol:	CISD2
Synonyms:	ERIS; Miner1; NAF-1; WFS2; ZCD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001008388.1  
 CCACGCGTCCGGGCTCGGGAGAGGAGTGGACGCCGCTGGCCAGGATGGTCTGGAGAGCG  
 TGGCCCGTATCGTGAAGGTGCAGCTCCCTGCATATCTGAAGCGGCTCCCAGTCCCTGAAA  
 GCATTACCGGGTTCGCTAGGCTCACAGTTTCAGAATGGCTTCGGTTATTGCCTTCTCTTG  
 GTGTACTCGCACTTCTTGGCTACCTTGCAGTTCGTCCATTCTCCCGAAGAAGAAACAAC  
 AGAAGGATAGCTTGATTAATCTTAAAAACAAAAGGAAAAATCCGAAAGTAGTGAATGAAA  
 TAAACATTGAAGATTTGTGTCTTACTAAAGCAGCTTATTGTAGGTGTTGGCGTTCTAAAA  
 CGTTTCCTGCCTGCGATGGTTCACATAATAAACACAATGAATTGACAGGAGATAATGTGG  
 GTCCACTAATACTGAAGAAGAAAGAAAGTATAATAATAAACAATATTTTCTCATTCTTT  
 GTGTATAGAAAATTTTAAAATGGTGGTCTTAATTACTACTGGTTGAACAATTATTTT  
 TTCCAATTTATTTTCTTCTGCACTACTGTTTGTATTTGATCCTTTGTCTATTGAGTAC  
 TTAATTAGAAAATAAATGTCAAGCCTCTTATTCTGACTTCAAAGAATTAATGTATCTTC  
 CAACAATAAAATCACTTCTGATTTTAACTAGGAAAACCTAAATGTGGCTATGGATCCA  
 AAGCTGTTTGTCTTTGAATATCAATATTTTCAACAGGATCTTGATTTTAAAAATCCCA  
 CCTACATTGTTAAATATGTTATTTTTCATATCTCTTTTGGTTTTGATAATCTGAAGTGT  
 TTTTTTCTCGTTTTGGCCTTCCAACTGCATTTGGTTAGGTGAATTAAGAAAAATATTGC  
 CATCAAGAATTACTTGTGTTTTACAGAGATAGACTCTTTGCTTTATAGAGATTGTTGTG  
 TATTTAATATGAATATCCAGCTTTAGAAAAGAAGTAACTGGATACAAAAGTTCCATT  
 GAGGAACAGTTATTTACAGTATAAAAGATTTGTTACTTTACAAAAGGCTTGTGTCTGTG  
 TGTGTGTGTGTGTGTGTGTGTGTGTATTTTAAACTGACTCAGTGACAGCTGGGGTGGA  
 ATGGCAAGAACACTTACAACCAACTCATGGGCTGCTGCAATTTGAAGATCAATTGGTAA  
 TAAACATAAGACATTAATTCATATTTAAATAGTTCAGTGTCAAATTTGTTTATGTTGG  
 ATATTTTTCTCTTTTAACTATAAACCATTAATAACAGTCACTCCCTGTATACGTA  
 GGGACTGTTCCAGGGCCACACATATACCAAAATCTGCCATACTCAAGTCCACAGAAA  
 GTCTTGCAAGAACCATATGTAGAAAAGTTGGCCCTCCAGTTGACCTCCGTACACATGAG  
 TTTACATCCCATGCACAAATGCTGATCTGTGTGACCTCACCTGCATTTGATTGAAAAAA  
 GTATGCGCGTAAGTGTACCCACCCAGTTCAAACCCGTGTGTAAGGGTCAACTGTACAAAA  
 AAGTTTGTGAAATAAACGTAAGGAGAACTTTAAAAA

**Restriction Sites:** ECoRI-NOT

**ACCN:** NM\_001008388

**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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

<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>	<u><a href="#">NM_001008388.1</a></u> , <u><a href="#">NP_001008389.1</a></u>
<b>RefSeq Size:</b>	1617 bp
<b>RefSeq ORF:</b>	408 bp
<b>Locus ID:</b>	493856
<b>UniProt ID:</b>	<u><a href="#">Q8N5K1</a></u>
<b>Cytogenetics:</b>	4q24
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	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]