

## Product datasheet for **SC113478**

### CISD1 (NM\_018464) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CISD1 (NM_018464) Human Untagged Clone
Tag:	Tag Free
Symbol:	CISD1
Synonyms:	C10orf70; MDS029; mitoNEET; ZCD1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018464, the custom clone sequence may differ by one or more nucleotides

```
ATGAGTCTGACTTCCAGTTCAGCGTACGAGTTGAATGGATCGCAGCAGTTACCATTGCTGCTGGGACAG
CTGCAATTGGTTATCTAGCTTACAAAAGATTTTATGTTAAAGATCATCGAAATAAGCTATGATAAACCT
TCACATCCAGAAAGACAACCCCAAGATAGTACATGCTTTTGACATGGAGGATTTGGGAGATAAAGCTGTG
TACTGCCGTTGTTGGAGGTCCAAAAGTCCCATTCTGTGATGGGGCTCACACAAACATAACGAAGAGA
CTGGAGACAATGTGGCCCTCTGATCATCAAGAAAAAGAACTTAA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_018464 unedited  
 NTTCAGATNTGAAAACGATTACTATAGGCGGCCGCGAAATTCGCACGAGGCTGCGCGGTA  
 TCATCGCGGAGTCGGTGTCTTAGTACGCCGCTGGCACCTTACTCTCGCCGGCCGCGCGA  
 ACCCGTTTGAGCTCGGTATCCTAGTGCACACGCCCTTGAAGCGACGGCCCATGAGTCTG  
 ACTTCCACCTCCAGCGCACGAGTTGAATGGATCGCAGCAGACACCATTGCTGCTGGGACA  
 GCTGCAATTGGTTATCTAGCTTACAAAAGATTTTATGTTACAAGATCATCCGAAATAAAG  
 CTATGATAAACCTTCACATCCAGAAAAGCAACCCCAAGATAGTACATGCTTTTGACATGG  
 AGGATTTGGGAGATAACAGCTGCGTACCTGCCGTTGCTGGAGGTCAAAAAGTTCCCAT  
 CTGTGATGGGGCTCACACAAAACATAACGAAGAGACTGGAGACAATGTGGGCCCTCTGAT  
 CATCAAGAAAAAGAACTTACATGGACACTTCTGATGCTGCAAATCAGCTTGTGCGTGAA  
 GTTACCTGCATGCTTAATTACAATGACTACCACCTCTGTCTGATTCACCTTCGCTGGATC  
 CTAATGTGGTATATTGCAAACCTGCAGCTCTCACATTCATGGCATTGTCTTGTGAAAC  
 ATCGGGTGCCCACTTGTTTACACACAAAAAACAACCTCGACTTTTAATTGCGG  
 GCGGGGTCTTACCTCGTCTGTGACCAGATCCCGGTGGCATCCCTGTGACCCCTCCAAGC  
 CCTTCTCTGCCCTGGAAGTGCCCTCCATGGCCACCACCTGCACAATAACATAACAGGC  
 TCAATTTGTCTGATAAGGGCCCTATAAATTTGGGGCGGGCGGCGCTTTCACCCGGCC  
 CAACT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_018464 unedited  
 GCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTGTTAAACAAATGTGCACCACGATGT  
 TTCAACAAGACAAATGCCATAAATGTGAAAGCTGCAGTTTGAATATAACACATTTAGAA  
 TCCAGCGAAGGTGAATCAGACAGAGGTGGTAGTCATTCTAATTAACAATCAGGTAACCT  
 CAGACAAGCTGATTTGCAGCATCAAAAGTGCCATTTAAGTTTTTTTTTCTTGATGAT  
 CAGAGGGCCACATTGTCTCCAGTCTCTTCGTTATGTTTTGTGTGAGCCCATCACAGAA  
 TGGAACTTTTTGGACCTCCAACAACGGCAGTACACAGCTTTATCTCCAAATCCTCCAT  
 GTCAAAAGCATGTACTATCTTGGGGTGTCTTTCTGGATGTGAAGGTTTATCATAGCTTT  
 ATTTTCGATGATCTTTAACATAAATCTTTTGTAAAGCTAGATAACCAATTCAGCTGTCCC  
 AGCAGCAATGGTAACTGCTGCGATCCATCAACTCGTACGCTGGAAGTGAAGTCAAGTCA  
 CATGGCGCCGTCGCTTGAAGGCGTGTGCACTAGGATACCGAGCTCAAACGGGTTCCGCG  
 GGCCGGCGAGAGTAAAGGTGCCAGCGGCTACTAAAGCACCGACTCCGCGATGATCCGC  
 GCAGCCTCGTGCCGAATTCGCGGCCGCCCTATAGTGAGTCGTATTACAAAATTCTGACGG  
 TTTCACTAAACGAGCTCTGCTTATATAGACCCTTACCCTACACGCTACCGCCATTTG  
 GTCAACGGGCGGGGNTATACGACATTNTGAAAGTCCCGTGATTTTGTGCCAAACAAC  
 TCCATTGACGTGATGGGGNTGGAGACTTGAANTCCNGTGAGTCAAACCGTATCCACGCC  
 ATGGTGTACTGGCAAACCCGCTACCATGGTATACCGAGACTAAACCTAAATGACTGCCAG  
 NTAGAAAGCCNGTAGGTCATGACTGGCATAATGCAGCGGCCATTAC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_018464

**Insert Size:**

590 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:** [NM\\_018464.2](#), [NP\\_060934.1](#)

**RefSeq Size:** 925 bp

**RefSeq ORF:** 327 bp

**Locus ID:** 55847

**UniProt ID:** [Q9NZ45](#)

**Cytogenetics:** 10q21.1

**Domains:** ZnF\_CDGSH

**Protein Families:** Transmembrane

**Gene Summary:** This gene encodes a protein with a CDGSH iron-sulfur domain and has been shown to bind a redox-active [2Fe-2S] cluster. The encoded protein has been localized to the outer membrane of mitochondria and is thought to play a role in regulation of oxidation. Genes encoding similar proteins are located on chromosomes 4 and 17, and a pseudogene of this gene is located on chromosome 2. [provided by RefSeq, Feb 2012]