

## Product datasheet for **MG222427**

### **Cisd3 (NM\_001085500) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cisd3 (NM\_001085500) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Cisd3  
**Synonyms:** Mel-13; Mel13  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG222427 representing NM\_001085500  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGCTTCCGGCTCTCTCCTCCCACTGATTTTATTTTCTGTTTCAAATCATATCTGCCTGCCTG  
CCTTGTGAAGCCGATCAGAGGCGGAAATCTCTTCTGGCTGGCCGATGGTTCCCAAGACCCAGC  
CAAGCCAGTGGTGGCACAGAAGACACCCATCAGATTGGAGCTGGTTGCCGGAAAACCTACAGGTGGTGT  
GTATGTGGCCGAAGCAAGAATCAGCCCTTCTGTGATGGCTCCCACTTCTCCAGCGTACTGGCCTTCTC  
CACTCAAGTTCAAGGCCAAGAGACACGCACAGTGGCCCTATGTACCTGCAAGGCCACTCAGCGGCCCC  
TACTGTGACGGTACCCACAAGAGTGAGCAGGTACAGAAAGCAGAAGTAGGTTCCCACTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG222427 representing NM\_001085500  
**Red**=Cloning site **Green**=Tags(s)  
MGFRRLSFPTDFIFLFPNHICLPALSKPYQRREISSWLRWFPKDPAKPVVAQKTPIRLELVAGKTYRWC  
VGRSKNQPFCDGSHFFQRTGLSPLKFKAQETRTVALCTCKATQRPPYCDGTHKSEQVQKAEVGSPL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

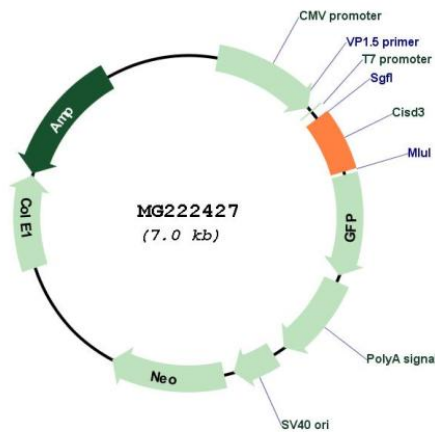


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001085500

ORF Size: 411 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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_001085500.3</a></u>
<b>RefSeq Size:</b>	750 bp
<b>RefSeq ORF:</b>	414 bp
<b>Locus ID:</b>	217149
<b>UniProt ID:</b>	<u><a href="#">B1AR13</a></u>
<b>Cytogenetics:</b>	11 D
<b>Gene Summary:</b>	Can transfer its iron-sulfur clusters to the apoferredoxins FDX1 and FDX2. Contributes to mitochondrial iron homeostasis and in maintaining normal levels of free iron and reactive oxygen species, and thereby contributes to normal mitochondrial function.[UniProtKB/Swiss-Prot Function]