

Product datasheet for MC212662

Cisd3 (NM_001085500) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cisd3 (NM_001085500) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cisd3
Synonyms:	Mel-13; Mel13
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC212662 representing NM_001085500 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCTCCGGCGTCTCTCCTTCCCCTGATTTTATTTTTCTGTTTCAAATCATATCTGCCTGCCTG
CCTTGTGCAAGCCGATCAGAGGCGGAAATCTTCTTGCTGGCCCGATGGTTCCCAAAGACCCAGC
CAAGCCAGTGGTGGCACAGAAGACCCATCAGATTGGAGCTGGTTGCCGGGAAAACCTACAGGTGGTGT
GTATGTGGCCGAAGCAAGAAATCAGCCCTTCTGTGATGGCTCCCACTTCTCCAGGCTACTGCCTTTCTC
CACTCAAGTTCAAGGCCAAGAGACACGCACAGTGGCCCTATGTACCTGCAAGGCCACTCAGCGGCCCC
TTACTGTGACGGTACCCACAAGAGTGAGCAGGTACAGAAAGCAGAAGTAGGTTCCCCACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001085500
Insert Size:	414 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).



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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_001085500.2](#), [NP_001078969.2](#)

RefSeq Size: 750 bp

RefSeq ORF: 414 bp

Locus ID: 217149

UniProt ID: [B1AR13](#)

Cytogenetics: 11 D

Gene Summary: 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]