

Product datasheet for **SC209305**

MTO1 (NM_133645) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MTO1 (NM_133645) Human 3' UTR Clone
Symbol:	MTO1
Synonyms:	CGI-02; COXPD10
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_133645
Insert Size:	2000 bp



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Insert Sequence: >SC209305 3'UTR clone of NM_133645
The sequence shown below is from the reference sequence of NM_133645. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCAGACAGACTTCAAGAGAGAGAGTTAAGCTTTCAATTCATAAAAGATTTTAAAGAGCATATAAATA
ATTTGATCAATACAACAGTATAGATAAAAGAATTATTTAGCACATGTTAAATAGCTTTATTAGGTTAC
TATGGGTTTGCCATTAATTTCTGAGTGGGACAGAAATTATAATTGTGCTTTTTCGTGTATATGAAAAA
CTAGTCGTAACAATTTGTACTCTTTCTTAAGGAGCTGTAATACAAATAACTTTGTGCAGTGTTTCATC
AAAGAGAGAGACAGTGAACCTAAACTGAACCTGGAATAAACTCAACATGCAGATTTGCCTACTCATA
GGGACTTTGCCTATTAAGTCTACCAAATTAAGTCTTATCATTACGCGTGTGTTGAGAGTTAATAATC
TTTTGCTTGGTTACTAGGCTAGGAAGCAATATCAAAGCCCTTAAATTCTCAAGACTAAAGACTTGAG
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TAGAAAGATTGGAAATCACCATTGTTTCTATTATCCACAGTGTGGATGGATACTTATTTGGTGACCTA
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CATGGCCATCATTTCTTAATAATGAAGACAGGTCCATAGTAACCTGGTGAGTGGTGTTCCTGTTTTTA
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CCAGATCTCTGGTGTCAGCCTAGGGAGAAGCTCCCGTGTCACCTTCGGGCCAAAGCAGGTAAGTCAAGG
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GAGACTGTTTCAAAAAAAGAAAAAGAAAGGATTTTGTGTTTTGTGCTACCCGTTACAGAAAA
TAATGAAATTCATTGTTCTAACTTTTTTTCTGATTAAATACAAGAGTAAAAAAGTGAATGGAGTG
CCTTTTGAATAGAATATAACAAAAATTTATCTTAAGAAACGGGAAGTAACCTGGCACAGTGGCTCACG
CCTGTAATCCCAGCACTTTGGGAGGCTGAGGCAGGTGGATCACGAGGTGAGGAGATCGAGACCATCCT
ACGCGTAAGCGGCCGCGGCATCTAGATTCTGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_133645.3](#)

Summary:	This gene encodes a mitochondrial protein thought to be involved in mitochondrial tRNA modification. The encoded protein may also play a role in the expression of the non-syndromic and aminoglycoside-induced deafness phenotypes associated with a specific mutation in the mitochondrial 12S rRNA gene. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Locus ID:	25821
MW:	75.9