

Product datasheet for **SC204954**

Ornithine Carbamoyltransferase (OTC) (NM_000531) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Ornithine Carbamoyltransferase (OTC) (NM_000531) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: OTC
Synonyms: OCTD; OTCD
ACCN: NM_000531
Insert Size: 394 bp
Insert Sequence: >SC204954 3'UTR clone of NM_000531

The sequence shown below is from the reference sequence of NM_000531. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCACCTCAGCTCCAGAAGCCTAAATTTGATGTTGTGTTACTTGTCAAGAAAGAAGCAATGTTCTTCAG
TAACAGAATGAGTTGGTTTATGGGGAAAAGAGAAGAGAATCTAAAAATAAACAAATCCCTAACACGTG
GTATGGGTGAACCGTATGATATGCTTTGCCATTGTGAACTTTCCCTTAAGCCTTTAATTTAAGTGCTGA
TGCACTGTAATACGTGCTTAACTTTGCTTAACTCTCTAATTCCCAATTTCTGAGTTACATTTAGATAT
CATATTAATTATCATATACATTTACTTCAACATAAAAATACTGTGTTATAATGTATAATGTCTAAGCCA
TTAAGTGAATCTATGCTTATTACCTAAATAAATTATCACCCATGCTAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

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_000531.6](#)



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Summary: This nuclear gene encodes a mitochondrial matrix enzyme. Missense, nonsense, and frameshift mutations in this enzyme lead to ornithine transcarbamylase deficiency, which causes hyperammonemia. Since the gene for this enzyme maps close to that for Duchenne muscular dystrophy, it may play a role in that disease also. [provided by RefSeq, Jul 2008]

Locus ID: 5009

MW: 15.4