

Product datasheet for **SC208484**

ornithine aminotransferase (OAT) (NM_000274) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: ornithine aminotransferase (OAT) (NM_000274) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: OAT
Synonyms: GACR; HOGA; OATASE; OKT
ACCN: NM_000274
Insert Size: 669 bp
Insert Sequence: >SC208484 3'UTR clone of NM_000274
 The sequence shown below is from the reference sequence of NM_000274. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATTATTAACAAGACCATTGTCTTTCTGAGGGTAGCCAGCTGTTTTAGTGGTCCCTGGGAGCCAGCT
GGAGACAGGTGGTCCCTGTAAAAGCTTTATTCTAATGTGGGCACATTCCACTCCCATGAGTCTTCAAAA
ACTTTTTTTTTGAATATATTTTTTTTCAGTTGATACATAATAGAACAACGTTTATGAACCTGCCGTTTGC
TTTGTAACGTAACATAAATAATGTAATGGCATCTATATTAGTTGAAGTGTGTTTGTGATGTCATGTGACT
TCTAAGGTGAAATGCATCTATATACAGACAGCCTCTAAATCAAGTCTTCAAGTATAAATTGATATATGT
TTTTATAATTTCTCACTGGTATAAGTGTTCATATTTGAAAAAGTTATCTCTGGGTATTGCATAAAAG
GCTTCATCTTATAAAGTAAATCATTGTTATTGAATTTAGGAAGGATTAATGGTTAAGTGTATATAAA
ATACTAATATTAAGTAACTTCATATTGGCCAACACCAGGTTGTATTCTATGGATGTCATTATTTTGA
ATTAAGAATTAGTGTAAACATTCCTAAATTGTTTTGAGTGCTTGATTATAATTTGTAATAAATGTTTA
TTTTCAATACTTCTTTAAATTTAAAATAAAGCTTATATTTCAAATGTC
ACGCGTAAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: Sgfl-Mlul

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.



[View online >](#)

RefSeq: [NM_000274.4](#)

Summary: This gene encodes the mitochondrial enzyme ornithine aminotransferase, which is a key enzyme in the pathway that converts arginine and ornithine into the major excitatory and inhibitory neurotransmitters glutamate and GABA. Mutations that result in a deficiency of this enzyme cause the autosomal recessive eye disease Gyrate Atrophy. Alternatively spliced transcript variants encoding different isoforms have been described. Related pseudogenes have been defined on the X chromosome. [provided by RefSeq, Jan 2010]

Locus ID: 4942

MW: 25.3