

Product datasheet for **SC203380**

CAD (NM_004341) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: CAD (NM_004341) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: CAD
Synonyms: CDG1Z; DEE50; EIEE50; GATD4
ACCN: NM_004341
Insert Size: 455 bp
Insert Sequence: >SC203380 3'UTR clone of NM_004341

The sequence shown below is from the reference sequence of NM_004341. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGTTAGCCACCGTGCTGGGCCGTTTCTAGGGCCTGGCTTCTCAGCCTTCTCTTTAGGCCAGCTG
CTGGCAAGGAATCCAGTGCCTCCTACGGGGCAGCACACTTAGATATTCCTGGACATCCAGATAGCT
CACATGTGCTGACCACACTTCAGGCTCTGACTGGAGCTCTCTGGCATGGGGTGGGGCCTCAGATGCT
GGGGCCAGTCTGCCCCATCTTCATTCTGCACCTTAAACCTGTACAGTCATTTTCTACTGACTTAAT
AAACAGCCGAGCTGTCCCTTGATGCTGAGTGTAGTAGAACAGAGCTTTCTTTAGAAAATTGAGCAGAT
TCCCAAATTATAAGAGCAGCCTCACCAGGCAGGGCTCTGGCTAGGGCTGCGTGCCACACTCGGCATTT
TCACACTCGTGACTCTTTGGGACTCGGCAGGAGCGTGTAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: Sgfl-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_004341.5](#)



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Summary: The de novo synthesis of pyrimidine nucleotides is required for mammalian cells to proliferate. This gene encodes a trifunctional protein which is associated with the enzymatic activities of the first 3 enzymes in the 6-step pathway of pyrimidine biosynthesis: carbamoylphosphate synthetase (CPS II), aspartate transcarbamoylase, and dihydroorotase. This protein is regulated by the mitogen-activated protein kinase (MAPK) cascade, which indicates a direct link between activation of the MAPK cascade and de novo biosynthesis of pyrimidine nucleotides. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]

Locus ID: 790

MW: 16.4