

Product datasheet for **SC207536**

GAD65 (GAD2) (NM_000818) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: GAD65 (GAD2) (NM_000818) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: GAD2
Synonyms: GAD65
ACCN: NM_000818
Insert Size: 589 bp
Insert Sequence: >SC207536 3'UTR clone of NM_000818
The sequence shown below is from the reference sequence of NM_000818. 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
GAAATAGAACGCCTTGGACAAGATTTATAAATACCTTGCTCACCAAGCTGTTCCACTTCTCTAGAGAAC
ATGCCCTCAGCTAAGCCCCCTACTGAGAACTTCTTTGAGAATTGTGCGACTTCACAAAATGCAAGGT
GAACACCACTTTGTCTCTGAGAACAGACGTTACCAATTATGGAGTGTACCAGCTGCCAAAATCGTAGG
TGTGGCTCTGCTGGTCACTGGAGTAGTTGCTACTCTTCAAGATATGGACAAAGAAGGCACAGGTGTAA
ATATAGTAGCAGGATGAGGAACCTCAAAGTGGTATCATTTTGCACGTGCTCTTCTGTTCTCAAATGCT
AAATGCAAACACTGTGTATTTATTAGTTAGGTGTGCCAAACTACCGTTCCCAAATGGTGTCTGAAAT
GACATCAACATTCGCCAACATTACTCCATTACTAAAGACAGAAAAAATAAAAACATAAAATATACAA
ACATGTGGCAACCTGTTCTTCTACCAAATATAAACTTGTGTATGATCCAAGTATTTATCTGTGTGT
CTCTCTAAACCAAATAAATGTGTAATGTGGACACA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

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 µg 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_000818.3](#)

Summary: This gene encodes one of several forms of glutamic acid decarboxylase, identified as a major autoantigen in insulin-dependent diabetes. The enzyme encoded is responsible for catalyzing the production of gamma-aminobutyric acid from L-glutamic acid. A pathogenic role for this enzyme has been identified in the human pancreas since it has been identified as an autoantibody and an autoreactive T cell target in insulin-dependent diabetes. This gene may also play a role in the stiff man syndrome. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Oct 2008]

Locus ID: 2572

MW: 22.9