

## 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
Symbol:	GAD65
Synonyms:	GAD65
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000818
Insert Size:	589 bp
Insert Sequence:	<p>&gt;SC207536 3'UTR clone of NM_000818</p> <p>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.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
GAAATAGAACGCCTTGGACAAGATTTAATAACCTTGCTCACCAAGCTGTTCCACTTCTCTAGAGAAC
ATGCCCTCAGCTAAGCCCCCTACTGAGAACTTCCTTTGAGAATTGTGCGACTTCACAAAATGCAAGGT
GAACACCACTTTGTCTCTGAGAACAGACGTTACCAATTATGGAGTGTACCAGCTGCCAAAATCGTAGG
TGTTGGCTCTGCTGGTCACTGGAGTAGTTGCTACTCTTCAGAATATGGACAAAGAAGGCACAGGTGTAA
ATATAGTAGCAGGATGAGGAACCTCAAACCTGGGTATCATTTCACGTGCTCTTCTGTTCTCAAATGCT
AAATGCAAACACTGTGTATTTATTAGTTAGGTGTGCCAAACTACCGTTCCCAAATGGTGTCTTCTGAAT
GACATCAACATTCACCAACATTACTCCATTACTAAAGACAGAAAAAATAAAACATAAAATATACAA
ACATGTGGCAACCTGTTCTTCTACCAATATAAACTTGTGTATGATCCAAGTATTTATCTGTGTTGT
CTCTCTAAACCAATAAATGTGTAATGTGGACACA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
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).


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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:	<u><a href="#">NM_000818.3</a></u>
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