

Product datasheet for **SC201528**

GAD65 (GAD2) (NM_001134366) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	GAD65 (GAD2) (NM_001134366) Human 3' UTR Clone
Symbol:	GAD65
Synonyms:	GAD65
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001134366
Insert Size:	2000 bp



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Insert Sequence: >SC201528 3'UTR clone of NM_001134366
 The sequence shown below is from the reference sequence of NM_001134366. 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
GAAATAGAACGCCTTGGACAAGATTTATAATAACCTTGCTCACCAAGCTGTTCCACTTCTCTAGGTAGA
CAATTAAGTTGTCAAACTGTGTGAATGTATTTGTAGTTTGTCCAAAGTAAATCTATTCTATATTG
TGGTGTCAAAGTAGAGTTAAAAATTAACAAAAAAGACATTGCTCCTTTAAAAGTCTTTCTTAAGT
TTAGAATACCTCTCTAAGAATTCGTGACAAAAGGCTATGTTCTAATCAATAAGGAAAAGCTTAAATTTG
TTATAAACTTCCCTTACTTTTAAATATAGTGTGCAAAGCAAACCTTATTTTCACTTCAGACTAGTAGG
ACTGAATAGTGCCAAATTGCCCTGAATCATAAAAGGTTCTTTGGGGTGCAGTAAAAGGACAAAGTAA
ATATAAAATATATGTTGACAATAAAAACCTTGCCTTTTTCATAGTATTAGAAAAAATTTCTAATTTA
CCTATAGCAACATTTCAAATGTATTTAAATACATATAATTTTACAAAAGGAAAATATATATATTA
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AAATCTAAGCCAGATTTTTTTTTCTTTCTTAAATGGAGGCACAATAAAACACTTAGCAAAGTTATTT
TGAAACATTGACCACGAAATCTTAAAAGGTATTATTGCTTCTTTCTATACATGTTATGGCTTATCAC
ATCTCTAAAGTTAGTATTTCAAGACAAACAAAAAAGAACTGCGAGTCTTTAAAATAATTGATCCCA
TTGGCAGTAAGATTCTCTTCCCTTTAAGTTTTCCACCCATTTACTCTTAGCGGACTCACTCTGCAAG
CGTGACAAACCAGGCTTCATCTCAGATTAATAGGGTAATTGTCTCTATTCTGCTTTCCAGTTCGGCC
TGTTTTGAACAGAAGGTGATGCTAGTCTTGAGGCATCTTCAAATAGTATTCTTTTATTAGGTCATT
TGAATTAATTAGAGAAAGTAAAAATAAACCTTATCAGCCTGAGCAAAGAGGAATGAAGCACACTCCCA
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CCCCTCCCATTCTCCCAAAAGTCTCTCCCACTAGACTCCCTACCACTGGGACCCAAAATAGTTAC
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CTTAAGATTTTCTTTATCCATCTCCATCGAGATCCAAAGTGACCAGAATATGCAGAAATAATAAGAT
CCTTAGAATTCAAAATAGTATTTTTAAAACATCCTTCTTCCCTGTGAACCTGATAGAAAAACATGAGC
TAACAAAAGCTTCCATAGATATTTATGGGGTACACATCGTCAGATTCGAAGTGTGATTGGAGAACA
TAGATTGATATGCAGACTGCAAAATGCAAAATTTAGGAACATCTCCATTTCTGAATGGACCAGGTAGTTC
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AATATAACATAGAGAAATGCCCTATAATATAACCACAGGATCCAGCCATCTGAAATTTTCATAAGCTTC
CCCCTACATTATTTCTCCTAGGCTATATGCAAAAACAGTGATAACTTGATATGAACATGGCTTTGGGCC
CTTTCTGTCTAGAAAAACAAATGGGTTCACTATGACAATCAGAAATAAATCTTTTCTGTCCTCCGCGAG
AATTTTCTGAAGGAGTAACCTTCCATTCTAGGCTTTGTCTAATGGCCAAGCATTAGACAAAAGCATTAG
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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).

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_001134366.2](#)

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:

76.2