

GAD1 (Human) Cell-Based ELISA Kit

Catalog # KA2880

Size 1 Kit

Specification

Product Description	GAD1 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of GAD1 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — GAD1

Entrez GeneID	2571
Protein Accession#	Q99259
Gene Name	GAD1
Gene Alias	FLJ45882, GAD, SCP
Gene Description	glutamate decarboxylase 1 (brain, 67kDa)

Omim ID [603513 605363](#)

Gene Ontology [Hyperlink](#)

Gene 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 autoantigen and an auto-reactive T cell target in insulin-dependent diabetes. This gene may also play a role in the stiff man syndrome. Deficiency in this enzyme has been shown to lead to pyridoxine dependency with seizures. Alternative splicing of this gene results in two products, the predominant 67-kD form and a less frequent 25-kD form. [provided by RefSeq]

Other Designations OTTHUMP00000041055|glutamate decarboxylase 1|glutamate decarboxylase 1 (brain, 67kD)

Pathway

- [Alanine](#)
- [beta-Alanine metabolism](#)
- [Butanoate metabolism](#)
- [Metabolic pathways](#)
- [Taurine and hypotaurine metabolism](#)
- [Type I diabetes mellitus](#)

Disease

- [Alcoholism](#)
- [Anxiety Disorders](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Depressive Disorder](#)

- [Disease Models](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Kidney Failure](#)
- [Mental Disorders](#)
- [Neuropsychological Tests](#)
- [Neurotic Disorders](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sleep Disorders](#)
- [Weight Gain](#)