



Recombinant Human GAD65 Protein (Yeast) [His] (DAGC277)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Full length recombinant GAD 65kDa isoform (amino acids 1 to 585) produced in yeast (<i>Saccharomyces cerevisiae</i>)
Species	Human
Purity	≥95%
Conjugate	His
Applications	ELISA
Molecular Weight	65 kDa
Format	Liquid
Size	0.1 mg, 1 mg
Buffer	100 mmol/L Tris-HCl; 500mmol/L NaCl; pH 8.50 and proprietary stabilizers
Preservative	None
Storage	Store at -70°C or below. Repeated freeze/thaw cycles should avoided.

BACKGROUND

Introduction	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
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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.

Keywords

GAD65; Glutamate Decarboxylase 65 kDa; GAD-65
