



Recombinant Human GAD65 [His] (DAGAD6501)

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

PRODUCT INFORMATION

Species	Human
Purity	> 90% as determined by SDS-PAGE
Conjugate	His
Molecular Weight	~60kDa
Format	Lyophilized
Size	1 mg
Buffer	25mM Tris-HCl, 0.02%SDS, pH8.5
Preservative	None
Storage	Short Term Storage +4°C, Long Term Storage -20°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

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 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

GAD2; GAD65; GAD-65; MGC161605; MGC161607
