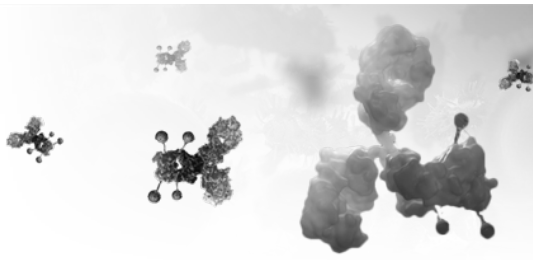

# Recombinant Human GAD65 Protein [His] (DAGC128U)

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

## PRODUCT INFORMATION

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| **Product Overview** | Full-length cDNA coding for human GAD65 fused to a hexa-histidine purification tag. |
| **Species** | Human |
| **Purity** | > 80% |
| **Conjugate** | His |
| **Applications** | SDS-PAGE, ELISA |
| **Molecular Weight** | 66 kDa |
| **Format** | Liquid |
| **Size** | 50 µg, 1 mg |
| **Buffer** | Neutral to slightly alkaline pH, containing 0.05% Tergitol, 20% glycerol |
| **Preservative** | None |
| **Storage** | Store at -80°C. Avoid freeze/thaw cycles. |

## BACKGROUND

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| **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 |

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

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| | 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 |

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Tel: 1-631-624-4882 Fax: 1-631-938-8221