

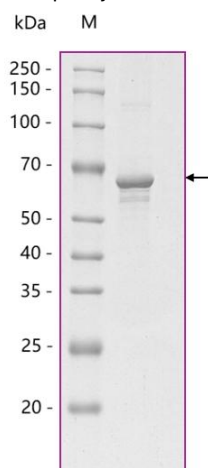
SPECIFICATION SHEET

Product Name: Glutamate Decarboxylase 65kDa (GAD 65) Antigen
Catalog # GDA01-F23H

Product Description: Recombinant Human Glutamate Decarboxylase 65 kDa (GAD65) Antigen was expressed by baculovirus in Sf9 insect cells and purified by affinity chromatography using His tag.

Storage and Stability: Store at -70°C . To avoid repeated handling and multiple freeze/thaw cycles, aliquot product into smaller quantities.

Alternate Names	: 65 kDa glutamic acid decarboxylase, Islet Cell Autoantigen GAD65
Source	: <i>Homo Sapiens</i> (Human)
Host	: <i>Baculovirus-infected Sf9 insect cells</i>
Formulation	: Protein stored in 16 mM HEPES, pH 7.5, 250 mM NaCl, 0.016 mM Pyridoxal-5-Phosphate, 0.16% Triton X-100, 20% Glycerol
Molecular Weight	: Calculated: 64 kDa Observed: ~65 kDa
Purity	: The purity was determined to be $\geq 85\%$ by densitometry
Gel Image	



References

1. Baekkeskov S, et al. Identification of the 64K autoantigen in insulin-dependent diabetes as the GABA-synthesizing enzyme glutamic acid decarboxylase. *Nature*. 1990 Sep 13;347(6289):151-6.
2. Walikonis JE, et al. Radioimmunoassay for glutamic acid decarboxylase (GAD65) autoantibodies as a diagnostic aid for stiff-man syndrome and a correlate of susceptibility to type 1 diabetes mellitus. *Mayo Clin Proc*. 1998 Dec;73(12):1161-6.
3. Towns R, et al. GAD65 autoantibodies and its role as biomarker of Type 1 diabetes and Latent Autoimmune Diabetes in Adults (LADA). *Drugs Future*. 2011 Nov;36(11):847.