

Human GAD67/GAD1 (His Tag) recombinant protein



Catalog Number: 501815

General Information

Gene Name Synonym

67 kDa glutamic acid decarboxylase; Glutamate decarboxylase 67 kDa isoform

Protein Construction

A DNA sequence encoding the human GAD1 (Q99259-1) (Met 1-Leu 594) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Purity

> 92 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ g of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met 1

Molecular Mass

The recombinant human GAD1 consists of 605

amino acids and predicts a molecular mass of 68.3 kDa. It migrates as an approximately 64 kDa band in SDS-PAGE in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% gly, pH 8.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

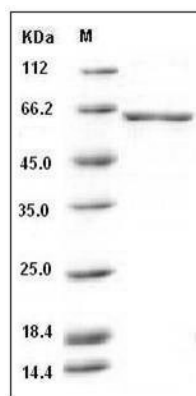
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human GAD67 / GAD1 Protein (His Tag) SDS-PAGE