

Mouse GAD65 / GAD2 / GAD-2 recombinant protein



Catalog Number: 503444

General Information

Gene Name Synonym

65 kDa glutamic acid decarboxylase; Glutamate decarboxylase 65 kDa isoform

Protein Construction

A DNA sequence encoding the mouse GAD2 (NP_032104.2) (Met 1-Leu 585) was expressed and purified with two additional amino acids (Gly & Pro) at the N-terminus.

Organism

Mouse

Expression Host

Baculovirus-Insect Cells

QC Testing

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg 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

Gly

Molecular Mass

The recombinant mouse GAD2 consists of 587 amino acids and predicts a molecular mass of 65.4 KDa. It migrates as an approximately 58 KDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, 10% gly, 3mM DTT, pH 8.0.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

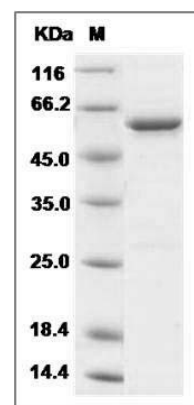
Storage

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



Mouse GAD65 / GAD2 Protein SDS-PAGE