# 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  $\mu g$  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

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**

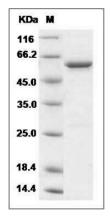
# **Storage**

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