# Mouse GAD65 / GAD2 / GAD-2 (His & GST Tag) recombinant protein

Catalog Number: 501796

# **General Information**

#### Gene Name Synonym

65 kDa glutamic acid decarboxylase; Glutamate decarboxylase 65 kDa isoform

# **Protein Construction**

A DNA sequence encoding full length of mouse GAD2 (NP\_032104.2) (Met 1-Leu 585) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

#### Organism

Mouse

# **Expression Host**

**Baculovirus-Insect Cells** 

# **QC Testing**

#### Purity

> 92 % 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  $^{\circ}\mathrm{C}$ 

# **Predicted N terminal**

Met

# **Molecular Mass**

The recombinant mouse GAD2/GST chimera

consists of 822 amino acids and has a calculated molecular mass of 93 kDa. It migrates as an approximately 80 kDa band in SDS-PAGE under reducing conditions.

#### Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, 0.5mM PMSF, 0.5mM GSH, 3mM DTT, 10% gly, 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**

KDa	M	
116	-	
66.2	-	-
45.0	-	
35.0	-	
25.0	-	
18.4	-	
14.4	-	

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