

# Mouse GSK3B (His Tag) recombinant protein



Catalog Number: 500813

## General Information

### Protein Construction

A DNA sequence encoding the mouse GSK3B (Q9WV60) (Met 1-Thr 420) was fused with a polyhistidine tag at the N-terminus.

### Organism

Mouse

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

1. The specific activity was determined to be 61 nmol/min/mg using synthetic Phospho-Glycogen Synthase Peptide-2 (YRRAAVPPSPSLSRHSSPHQpSEDEEE) as substrate.
2. Immobilized His-mGSK3B at 10 µg/ml (100 µl/well) can bind biotinylated human HG3C-CTNNB1 (cat:502916), EC<sub>50</sub> of biotinylated human HG3C-CTNNB1 (cat:502916) is 0.15-0.35 µg/ml.

### Purity

> 85 % 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

Met

### Molecular Mass

The recombinant mouse GSK3B consists of 439 amino acids and has a calculated molecular mass of 49 kDa. It migrates as an approximately 47 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Supplied as sterile 20mM Tris, 500mM NaCl, 25% glycerol, 0.2mM DTT, pH 7.4

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

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

## Usage Guide

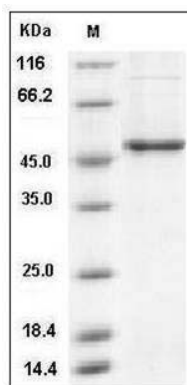
### Storage

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 GSK3B Protein (His Tag) SDS-PAGE