

# Mouse Smad3 (His & GST Tag) recombinant protein



Catalog Number: 501050

## General Information

### Gene Name Synonym

SMAD family member 3

### Protein Construction

A DNA sequence encoding the mouse SMAD3 (P84025) (Met1-Ser425) was expressed with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

### Organism

Mouse

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Purity

> 85 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Met

### Molecular Mass

The recombinant mouse SMAD3/GST chimera consists of 662 amino acids and has a calculated molecular mass of 75.9 kDa. The recombinant protein migrates as an approximately 75 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 2mM GSH, 10% glycerol, 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

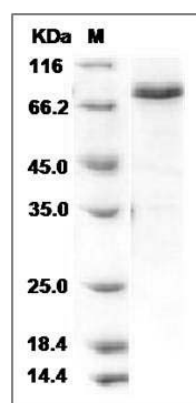
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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 Smad3 Protein (His & GST Tag) SDS-PAGE