

# Mouse Smad5 recombinant protein



Catalog Number: 500466

## General Information

### Gene Name Synonym

Dwarfin-C; SMAD family member 5

### Protein Construction

A DNA sequence encoding the mouse SMAD5 (P97454) (Thr2-Ser465) 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 SMAD5 consists of 466 amino acids and predicts a molecular mass of 52.2 KDa. It migrates as an approximately 57 KDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH8.0.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

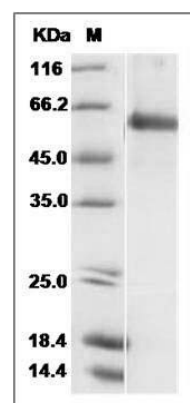
### Storage

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 Smad5 Protein SDS-PAGE