

# Mouse IGFBP4 (His Tag) recombinant protein



Catalog Number: 500242

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Glu 254) of mouse IGFBP4 (NP\_034647.1) precursor was expressed with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured in a serumfree cell proliferation assay using MCF7 human breast adenocarcinoma cells (Karey, K.P. et al. 1988, Cancer Research 48: 4083.). The ED<sub>50</sub> for this effect is typically 0.1-0.6 µg/ml.

### Purity

> 95 % 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

Asp 22

### Molecular Mass

The secreted recombinant mouse IGFBP4 consists of 244 amino acids and has a calculated molecular mass of 27.2 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 38 kDa protein in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, 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

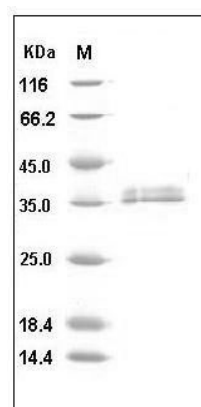
Store it under sterile conditions at -20°C to -80°C.

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 IGFBP4 Protein (His Tag) SDS-PAGE