

# Human SerpinB2/PAI-2 (GST Tag) recombinant protein



Catalog Number: 500035

## General Information

### Gene Name Synonym

Monocyte Arg-serpin; Placental plasminogen activator inhibitor; Serpin B2; Urokinase inhibitor

### Protein Construction

A DNA sequence encoding the full length of human SERPINB2 (NP\_002566.1) (Met 1-Pro 415) was fused with the GST tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Immobilized human GST-SerpinB2 at 10 µg/ml (100 µl/well) can bind biotinylated human uPA-His (Cat:503537), The EC<sub>50</sub> of biotinylated human uPA-His (Cat:503537) is 10.24-23.88 ng/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

Met

### Molecular Mass

The recombinant human SERPINB2/GST chimera consists of 640 amino acids and predicts a molecular mass of 73 kDa. It migrates as an approximately 65 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 0.5mM Reduced Glutathione, 10% glycerol, 0.5mM PMSF

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

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

## Usage Guide

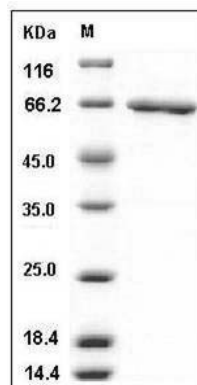
### Storage

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



Human SerpinB2 / PAI-2 Protein (GST Tag) SDS-PAGE