

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 EC₅₀ 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

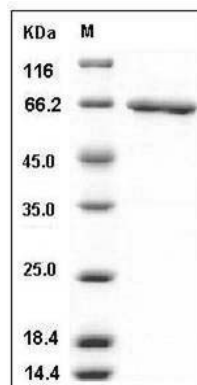
Storage

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