

Human SerpinD1 (His Tag) recombinant protein



Catalog Number: 503095

General Information

Gene Name Synonym

Heparin cofactor II; Protease inhibitor leuserpin-2; Serpin D1

Protein Construction

A DNA sequence encoding the human SerpinD1 precursor (NP_000176.2) (Met 1-Ser 499) was expressed with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA.
Immobilized recombinant human SerpinD1-His (Cat:503095) at 10 µg/ml (100 µl/well) can bind biotinylated recombinant mouse ELANE-His (Cat:50204-M08H) with a linear range of 0.15-10.0 µg/ml.

Purity

> 97 % 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

Gly 20

Molecular Mass

The mature recombinant human SerpinD1 consists of 491 amino acids and predicts a molecular mass of 56.4 kDa. By SDS-PAGE under reducing conditions, the apparent molecular mass of rhSerpinD1 is approximately 65-70 kDa as a result of glycosylation.

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

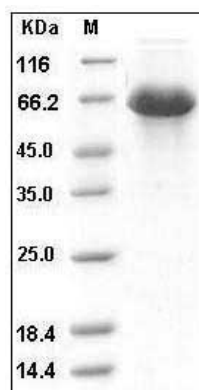
Storage

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



Human SerpinD1 Protein (His Tag) SDS-PAGE