

Human CellExp SERPIN F1, human recombinant protein
SERPINF1, Serpin F1, PEDF, PIG35, EPC-1
Catalog # PBV11040r**Specification**

Human CellExp SERPIN F1, human recombinant protein - Product infoPrimary Accession
Calculated MW[P36955](#)

This protein is fused with 6×His tag at the C-terminus, has a calculated MW of 45.2 kDa. The predicted N-terminus is Gln 20. DTT-reduced Protein migrates as 45-55 kDa. KDa

Human CellExp SERPIN F1, human recombinant protein - Additional InfoGene ID
Gene Symbol
Other Names
SERPINF1, Serpin F1, PEDF, PIG35, EPC-1**5176**
SERPINF1Gene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results

Human
HEK293 cells
SDS-PAGE; ≥95%
N/A;
Yes
Measured by its ability to enhance the adhesion of Saos-2 human osteosarcoma cells to bovine Collagen I coated plate. The ED50 for this effect is typically 0.5-1.6 µg/ml.

Target/Specificity
SERPIN F1**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized**Storage**

-20°C; Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH 7.4. Normally Mannitol or Trehalose are added as protectants before lyophilization.

Human CellExp SERPIN F1, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp SERPIN F1, human recombinant protein - Images

Human CellExp SERPIN F1, human recombinant protein - Background

Serpin F1 (SERPINF1) is also known as Pigment epithelium-derived factor (PEDF), Cell proliferation-inducing gene 35 protein (PIG35). Serpin F1 belongs to the serpin family. Serpin F1 is expressed in quiescent cells. PEDF has a variety of functions including antiangiogenic, antitumorigenic, and neurotrophic properties. Endothelial cell migration is inhibited by SERPINF1/PEDF. PEDF / SERPINF1 suppresses retinal neovascularization and endothelial cell proliferation. PEDF is also responsible for apoptosis of endothelial cells either through the p38 MAPK pathway or through the FAS/FASL pathway. PEDF also displays neurotrophic functions.

Human CellExp SERPIN F1, human recombinant protein - References

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