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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 info

Primary Accession	P36955
Calculated MW	**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 Info

Gene ID	**5176**
Gene Symbol	**SERPINF1**

Other Names
SERPINF1, Serpin F1, PEDF, PIG35, EPC-1

Gene Source	**Human**
Source	**HEK293 cells**
Assay&Purity	**SDS-PAGE; ≥95%**
Assay2&Purity2	**N/A;**
Recombinant	**Yes**
Results	**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 Cytomety
- 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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