

# Recombinant Mouse Serpin F1/PEDF Protein

Catalog No.: RP01582 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	20317	P97298

### Tags

C-His

### Synonyms

EPC-1;OI12;OI6;PEDF;PIG35;SerpinF1

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
45.13 kDa	50-60 kDa

### Endotoxin

<0.1EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

The protein is a member of the serpin family, although it does not display the serine protease inhibitory activity shown by many of the other serpin family members. The encoded protein is secreted and strongly inhibits angiogenesis. In addition, this protein is a neurotrophic factor involved in neuronal differentiation in retinoblastoma cells.

## Basic Information

### Description

Recombinant Mouse Serpin F1/PEDF Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln20-Thr417) of mouse Serpin F1 (Accession #NP\_035470.3) fused with a 6×His tag at the C-terminus.

### Bio-Activity

#### Storage

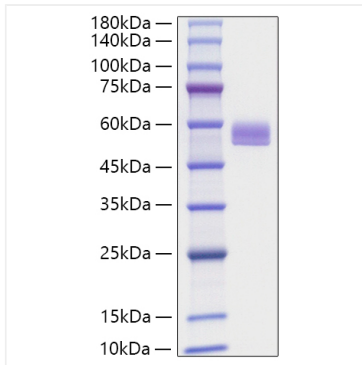
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Mouse Serpin F1 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 45-60 kDa.