

Catalog No.: RP01582 **Recombinant**

Species	Gene ID	Swiss Prot
Mouse	20317	P97298

Tags
C-His

EPC-1:O12:O16:PEDF:PIG35:SerpinF1

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE

Calculated MW	Observed MW
45.13 kDa	50-60 kDa

< 0.1 EU/μg of the protein by LAL method.

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

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.

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.

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.

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.

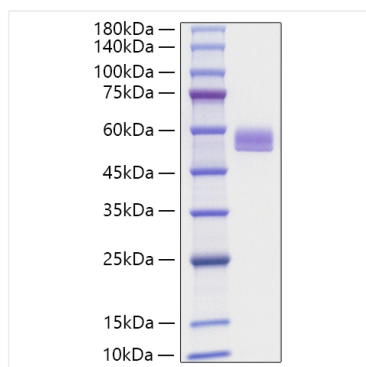
Avoid repeated freeze/thaw cycles.

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Validation Data



Recombinant Mouse Serpin F1/PEDF Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.