

Recombinant Human Serpin F1 Protein

Catalog No.: RP00013 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	5176	P36955

Tags

No tag

Synonyms

EPC-1; OI12; OI6; PEDF;
PIG35;SERPINF1;OI12;OI6;PEDF;PIG35

Product Information

Source	Purification
Baculovirus-Infected Sf9 Cells	> 97% by SDS-PAGE.

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

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 freeze-thaw cycles.

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 Human Serpin F1 Protein is produced by insect cell-baculovirus expression system. The target protein is expressed with sequence (Gln20-Pro418) of human Serpin F1 (Accession #NP_002606.3).

Bio-Activity

Storage

Store the lyophilized protein at -20°C to -80 °C for long term.

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.

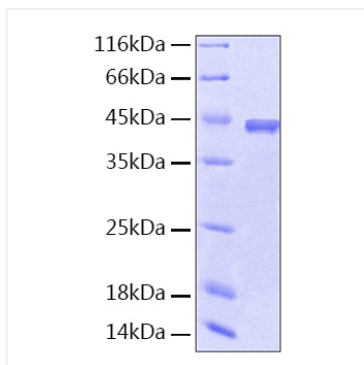
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Validation Data



Recombinant Human Serpin F1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 45 kDa.