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Recombinant Human Serpin F1/PEDF 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	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
44.38 kDa	45 kDa

Endotoxin
< 1 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 stablizer (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 Human Serpin F1/PEDF 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

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

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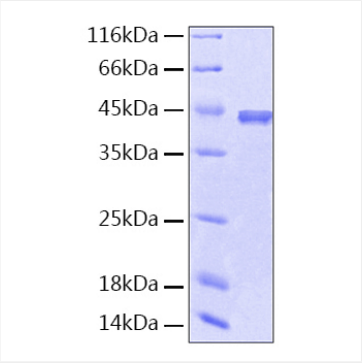
Validation Data



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

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