

Recombinant Human Serpin F1 Protein

Catalog No	RP00013	Category	Protein
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).		

Sequence Information

Species	Human	Gene ID	5176
Tags	No tag	Swiss Prot	P36955
Synonyms	EPC-1;OI12;OI6;PEDF;PIG35		
AA Sequence	QNPASPPEEGSPDPDSTGALVEEEDPFFKVPVNKLA AAVSNFGYDLYRVSSTSPTTNVL LSPLSVATALSALSLGAEQRTEIIHRALYYDLISSPDIHGTYKELLDVTAPQKNLKSA SRIVFEKRLRIKSSFVAPLEKSYGTRPRVLTGNPRLDLQEINNWWVQAQMKGKLARSTKEI PDEISILLLGVAHFQGWVTKFDSRKTSLDFYLD EERTVVRVPMMSDPKAVLRYGLDSDL SCKIAQLPLTGSMSI		

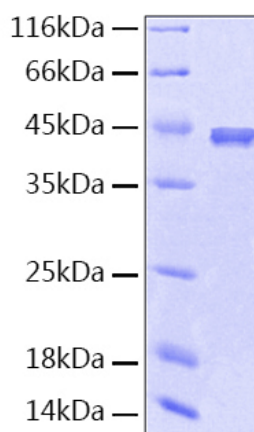
Product information

Source	Baculovirus-Infected Sf9 Cells
Purity	> 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.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
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.

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.

SDS-PAGE



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

Bioactivity