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Datasheet for ABIN7533718

PEDF Protein

Overview

Quantity:	100 µg
Target:	PEDF (SERPINF1)
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Serpin F1 Protein
Sequence:	QNPASPPEEG SPDPDSTGAL VEEEDPFFKV PVNKLAAAVS NFGYDLRYRVR SSTSPTTNVL LSPLSVATAL SALS LGAEQR TESIIHRALY YDLISSPDIH GTYKELLDTV TAPQKNLKSA SRIVFEKKLR IKSSFVAPLE KSYGTRPRVL TGNPRLDLQE INNWWQAQMK GKLARSTKEI PDEISILLG VAHFKGQWWT KFDSRKTSLE DFYLDEERTV RVPMMSDPKA VLR YGLDSDL SCKIAQLPLT GSMSIIFFLP LKVTQNLTLI EESLTSEFIH DIDRELKTQV AVLTVPKLLK SYEGEVTKSL QEMKLQSLFD SPDFSKITGK PIKLTQVEHR AGFEWNEDGA GTTPSPGLQP AHLTFPLDYH LNQPFIFVLR DTDGALLFI GKILDPRGP
Specificity:	Gln20-Pro418
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1.0 EU/µg of the protein by LAL method.

Target Details

Target: PEDF (SERPINF1)

Alternative Name: Serpin F1 ([SERPINF1 Products](#))

Background: Description: 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.

Name: EPC-1, OI12, OI6, PEDF, PIG35, SERPINF1, OI12, OI6, PEDF, PIG35

Gene ID: 5176

UniProt: [P36955](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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.

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

Storage: -20 °C, -80 °C

Storage Comment: 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.