

## Pigment Epithelium-Derived Factor Human Recombinant, HEK

<b>Item Number</b>	rAP-2714
<b>Synonyms</b>	Pigment epithelium-derived factor, PEDF, Serpin-F1, SerpinF1, EPC-1, EPC1, PIG35.
<b>Description</b>	PEDF Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain containing a total of 410 amino acids, having a molecular mass of 45.6 kDa and fused to an 11 aa FLAG tag at C-Terminus. The Human PEDF is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P36955
<b>Amino Acid Sequence</b>	QNPASPPEEG SPDPDSTGAL VEEEDPFFKV PVNKLAAAVS NFGYDLYRVR SSTSPTTNVL LSPLSVATAL SALS LGAEQR TESIIHRALY YDLISSPDH GTYKELLDTV TAPQKNLKSA SRIVFEKCLR IKSSFVAPLE KSYGTRPRVL TGNPRLDLQE INNWWQAQMK GKLARSTKEI PDEISILLG VAHFKGQWVT KFDSRKTSLE DFYLDEERTV RVPMMSPKA VLRYGLDSDL SCKIAQLPLT GSMSIIFLP LKVTQNLTLI EESLTSEFIH DIDRELKTVQ AVLTVPKLLK SYEGEVTKSL QEMKLQSLFD SPDFSKITGK PIKLTQVEHR AGFEWNEDGA GTTPSPGLQP AHLTFPLDYH LNQPFIIVLR DTDTGALLFI GKILDPRGPA
<b>Source</b>	HEK 293.
<b>Physical Appearance and Stability</b>	Filtered White lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time.
<b>Formulation and Purity</b>	The filtered (0.4µm) concentrated (0.5mg/ml) protein solution was lyophilized with 20mM Tris & 20mM NaCl pH-7.5. Greater than 95% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to add deionized water to a working concentration of 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**