

Pigment Epithelium-Derived Factor Human Recombinant, His Tag

Item Number	rAP-2713
Synonyms	Pigment epithelium-derived factor, PEDF, Serpin-F1, SerpinF1, EPC-1, EPC1, PIG35.
Description	PEDF Human Recombinant produced in E.Coli containing a natural variant M72T is a single, non-glycosylated, polypeptide chain containing 420 amino acids (20-418 a.a.) and having a total molecular mass of 46.7 kDa. PEDF is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary
Uniprot Accession Number	P36955
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MQNPASPPEE GSPDPDSTGA LVEEEDPFFK VPVNKLAAAV SNFGYDLYRV RSSMSPTTNV LLSPLSVATA LSALSLGAEQ RTESIIHRAL YYDLISSPDI HGTYKELLD VTAPQKNLKS ASRIVFEKKL RIKSSFVAPL EKSYGTRPRV LTGNPRLDLQ EINNVVQAQM KGKLARST- KE IPDEISILL GVAHFKQWV TKFDSRKTS� EDFYLDEERT VRVPMMSDPK AVLRYGLDSD LSKKI- AQLPL TGSMIIFFL PLKVTQNLTL IEESLTSEFI HDIDRELKTV QAVLTVPKLK LSYEGEVTKS LQEMKLQSLF DSPDFSKITG KPIKLTQVEH RAGFEWNEDG AGTTPSPGLQ PAHLTFPLDY HLNQP-
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The PEDF solution contains 20mM Tris-HCl buffer(pH 8.0), 0.1M NaCl , and 20% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	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**