

## PRODUCT INFORMATION SUMMARY

### Human PEDF

Purified Factor	Product Number	HC711430B	20.0 ug
Purified Factor	Product Number	HC711430A	5.0 ug

#### DESCRIPTION:

Human Pigment Epithelium Derived Factor (PEDF) is a serpin family protein with neuro-protective effects. It exhibits both anti-angiogenic and anti-tumorigenic properties, with a major component of its action based upon ability to induce apoptosis in proliferating endothelial cells. Also known as Serpin-1, PEDF has potential as a therapeutic agent for such diseases as diabetic retinopathy, macular degeneration and some cancers. Recombinant PEDF is a non-glycosylated protein with 400 aa. residues, with 44.5 kDa molecular weight.

**SOURCE:** E. Coli  
Purity > 90% by HPLC analysis  
Endotoxin < 0.1 ng per ug PEDF  
Sterile-filtered and lyophilized from PBS

**BIOLOGICAL ACTIVITY:** not currently tested.

#### HANDLING AND STORAGE:

Purified Human PEDF factor is provided lyophilized. Store lyophilized, at -20° C. **Microcentrifuge** before reconstitution (see below). Upon reconstitution in sterile or distilled water to concentration of 100 ug/mL, further dilute in PBS or other buffered solutions. Store small aliquots at -20° C for long-term storage, with addition of 0.1% BSA, -for up to 3 months at high concentration. AVOID repeat freeze-thaw.

**Before opening vial,** it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

#### WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

**RESEARCH USE ONLY -NOT for DRUG USE**