



# Recombinant Protein Technical Manual

## Recombinant Mouse Serpin F1/PEDF Protein

RPES0380

### Product Data:

**Product SKU:** RPES0380

**Size:** 10µg

**Species:** Mouse

**Expression host:** E. coli

**Uniprot:** NP\_035470.3

### Protein Information:

**Molecular Mass:** 42.0 kDa

**AP Molecular Mass:** 40 kDa

**Tag:**

**Bio-activity:**

**Purity:** > 95 % as determined by SDS-PAGE

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.

**Reconstitution:** Please refer to it for detailed information.

**Application:**

**Synonyms:** Pigment epithelium-derived factor; Pedf; Sdf3; Caspin; Serpin F1; Stromal cell-derived factor 3.

## Immunogen Information:

**Sequence:** Met 1-Thr 417

## Background:

Serpin F1 is secreted Neurotrophic protein and belongs to the serpin family. Serpin F1 Highly expressed in the liver, gastric glandular mucosa and renal tubules. It is also expressed in the brain, heart, lung retina and testes. It induces extensive neuronal differentiation in retinoblastoma cells. It is potent inhibitor of angiogenesis. As it does not undergo the S (stressed) to R (relaxed) conformational transition characteristic of active serpins, exhibits no serine protease inhibitory activity.