

PEDF, mouse recombinant protein**Pigment Epithelium-derived Factor; Stromal Cell-derived Factor 3; Serpin F1; Caspin**
Catalog # PBV11181r**Specification**

PEDF, mouse recombinant protein - Product infoPrimary Accession
Calculated MW[P97298](#)
~47.0 kDa. Mouse PEDF (aa 20-417) is
fused at the C-terminus to a FLAG®-tag.
kDa**PEDF, mouse recombinant protein - Additional Info**

Gene ID

20317

Gene Symbol

Serpinf1**Other Names**

Pigment Epithelium-derived Factor; Stromal Cell-derived Factor 3; Serpin F1; Caspin

Gene Source

Mouse

Source

CHO cells

Assay&Purity

SDS-PAGE; ≥95%

Assay2&Purity2

N/A;

Recombinant

Yes**Target/Specificity**

PEDF

Application Notes

Reconstitute with 100 µl sterile distilled water.

Format

Lyophilized

Storage

-20°C; Lyophilized in PBS.

PEDF, mouse recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PEDF, mouse recombinant protein - Images

PEDF, mouse recombinant protein - Background

Pigment epithelium-derived factor (PEDF) is a 47 kDa secreted glycoprotein that belongs to the non-inhibitory serpin family group. PEDF is widely expressed in adult and fetal tissues, including brain, spinal cord, plasma, bone, prostate, pancreas, heart and lung. PEDF acts as an angiogenesis inhibitor with neurotrophic, immunomodulation and antitumor properties. It functions as anti-angiogenic agent by counterbalancing the proangiogenic effect of VEGF. PEDF is one of the most abundant proteins released by adipocytes and induces insulin resistance in adipocytes and human skeletal muscle cells. Recently, it has been reported that PEDF is sufficient to maintain the self-renewal of pluripotent human embryonic stem cells.

PEDF, mouse recombinant protein - References

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Singh V.K.,et al.Mol. Vis. 4:7-7(1998).
Tombran-Tink J.,et al.Submitted (OCT-1998) to the EMBL/GenBank/DDBJ databases.
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