

# Product Information

## **MemDX™ Antibody Discovery - Human Serpin F1 / PEDF (20-418) Membrane Protein, Partial, -His tag**

Cat. No.: **MP0407F**

This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human Serpin F1 / PEDF (20-418). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

### Product Specifications

#### **Host Species**

Human

#### **Target Protein**

Serpin F1 / PEDF

#### **Protein Length**

ECD

#### **Molecular Weight**

The protein has a calculated MW of 45.2 kDa. The protein migrates as 45-55 kDa under reducing (R) condition (SDS-PAGE).

#### **Sequence**

AA Gln 20 - Pro 418 (Accession # NP\_002606).

### Product Description

#### **Application**

SDS-PAGE

#### **Expression Systems**

HEK293

#### **Tag**

His tag at the C-terminus

#### **Protein Format**

Soluble

#### **Form**

LYOPH

#### **Reconstitution**

Please see Certificate of Analysis for specific instructions.

**Endotoxin**

<1.0 EU/μg by the LAL method

**Conjugation**

PE

**Purity**

>95% as determined by SDS-PAGE.

**Buffer**

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

**Storage**

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage at -80°C.

**Target****Target Protein**

Serpin F1 / PEDF

**Full Name**

serpin family F member 1

**Introduction**

This gene encodes a member of the serpin family that does not display the serine protease inhibitory activity shown by many of the other serpin proteins. The encoded protein is secreted and strongly inhibits angiogenesis. In addition, this protein is a neurotrophic factor involved in neuronal differentiation in retinoblastoma cells. Mutations in this gene were found in individuals with osteogenesis imperfecta, type VI.

**Alternative Names**

OI6; OI12; PEDF; EPC-1; PIG35; pigment epithelium-derived factor; alpha-2 antiplasmin; cell proliferation-inducing gene 35 protein; serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1; serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1; testis tissue sperm-binding protein Li 70n

**Gene ID**

[5176](#)

**UniProt ID**

[P36955](#)