

Recombinant Human SERPINF1, FLAG-tagged

Cat. No. SERPINF1-456H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human PEDF (aa 20-418) is fused at the C-terminus of to a FLAG-tag.
Species	Human
Source	CHO
ProteinLength	20-418 a.a.
Description	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 foetal 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.
Form	Lyophilized. Contains PBS.
Molecular Mass	~47kDa (SDS-PAGE)
Purity	≥95% (SDS-PAGE)

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Stability	Stable for at least 6 months after receipt when stored at -20°C.
Storage	Short Term Storage: +4°C; Long Term Storage: -20°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. PBS containing at least 0.1% BSA should be used for further dilutions.
Concentration	0.1mg/ml after reconstitution.
GENE INFORMATION	
Gene Name	SERPINF1 serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1 [Homo sapiens]
Official Symbol	SERPINF1
Synonyms	SERPINF1; serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1; PEDF, serine (or cysteine) proteinase inhibitor, clade F (alpha 2 antiplasmin, pigment epithelium derived factor), member 1; pigment epithelium-derived factor; EPC 1; PIG35; pigment epithelium derived factor; proliferation inducing protein 35; serpin F1; cell proliferation-inducing gene 35 protein; serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1; OI6; OI12; PEDF; EPC-1;
Gene ID	5176
mRNA Refseq	NM_002615
Protein Refseq	NP_002606
MIM	172860

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UniProt ID	P36955
Chromosome Location	17p13.3
Function	serine-type endopeptidase inhibitor activity;