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PEDF Recombinant Protein

CATALOG NUMBER: 90-263

Specifications

SPECIES:	Human
SOURCE SPECIES:	CHO cells
SEQUENCE:	Human PEDF (aa 20-418) is fused at the C-terminus of to a DDDDK-tag.
FUSION TAG:	DDDDK Tag
TESTED APPLICATIONS:	
APPLICATIONS:	This recombinant proteins is for research use only.
BIOLOGICAL ACTIVITY:	N/A

Properties

PURITY:	>95% (SDS-PAGE)
PHYSICAL STATE:	Lyophilized
BUFFER:	Contains PBS.
CONCENTRATION:	0.1mg/ml after reconstitution.
STORAGE CONDITIONS:	Stable for at least 6 months after receipt when stored at -20°C.

Additional Info

ALTERNATE NAMES:	Pigment Epithelium-derived Factor, Cell Proliferation-inducing Gene 35 Protein, EPC-1, Serpin F1
ACCESSION NO.:	P36955
PROTEIN GI NO.:	39725934

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 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.

FOR RESEARCH USE ONLY

January 17, 2018