

Datasheet for ABIN2745798

PEDF Protein (AA 20-417) (DYKDDDDK Tag)



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Overview

Quantity:	3 x 10 µg
Target:	PEDF (SERPINF1)
Protein Characteristics:	AA 20-417
Origin:	Mouse
Source:	CHO Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PEDF protein is labelled with DYKDDDDK Tag.
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	PEDF (mouse) (rec.)
Cross-Reactivity:	Mouse
Characteristics:	Mouse PEDF (aa 20-417) is fused at the C-terminus to a FLAG®-tag.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test).

Target Details

Target:	PEDF (SERPINF1)
Alternative Name:	PEDF (SERPINF1 Products)
Background:	Pigment Epithelium-derived Factor, Stromal Cell-derived Factor 3, Serpin F1, Caspin

Target Details

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.

Molecular Weight: ~47kDa (SDS-PAGE)

UniProt: [P97298](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with 100 µL sterile distilled water.

Concentration: 0.1 mg/mL

Buffer: Contains PBS.

Handling Advice: After reconstitution, prepare aliquots and store at -20 °C. Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution. PBS containing at least 0.1 % BSA should be used for further dilutions.

Storage: 4 °C,-20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Use & Stability: Stable for at least 6 months after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.

Expiry Date: 6 months