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Datasheet for ABIN1344132

PEDF Protein (AA 20-418) (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Target:	PEDF (SERPINF1)
Protein Characteristics:	AA 20-418
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PEDF protein is labelled with DYKDDDDK Tag.
Application:	SDS-PAGE (SDS)

Product Details

Cross-Reactivity:	Human
Characteristics:	Human PEDF (aa 20-418) is fused at the C-terminus of to a FLAG®-tag.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.1EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	PEDF (SERPINF1)
Alternative Name:	PEDF (SERPINF1 Products)
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,

Target Details

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: [P36955](#)

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: Lot specific

Buffer: Lyophilized. Contains PBS.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 6 months after receipt when stored at -20°C.

Expiry Date: 6 months