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Datasheet for ABIN7321073 **PEDF Protein (His tag)**

Image



Overview

Quantity:	100 µg
Target:	PEDF (SERPINF1)
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PEDF protein is labelled with His tag.
Product Details	
Purpose:	Recombinant Rat SerpinF1/PEDF Protein (His Tag)
0	

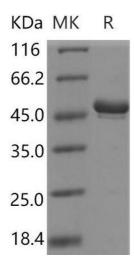
Sequence:	Met1-Thr418
Characteristics:	A DNA sequence encoding the rat Serpinf1 (NP_808788.1) (Met1-Thr418) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per μ g protein as determined by the LAL method.

Target Details

Target:	PEDF (SERPINF1)
Alternative Name:	SerpinF1/PEDF (SERPINF1 Products)
Background:	Background: Pigment epithelium-derived factor, also known as PEDF, Serpin F1, and SERPINF1, is a multiple functional protein which has both anti-angiogenic activity and neurotrophic activity
	at the same time. PEDF is a secreted glycoprotein that belongs to the noninhibitory serpin. It

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	has an alpha/beta core serine-protease inhibitor domain, three major beta-sheets, and ten
	alpha-helices. PEDF does not inhibit either serine or cysteine proteinases. PEDF exerts diverse
	physiological activities including anti-angiogenesis, anti-vasopermeability, anti-tumor, and
	neurotrophic activities. PEDF acts via multiple high affinity ligands and cell receptors. It has
	been described as a natural angiogenesis inhibitor with neurotrophic and immune-modulation
	properties. PEDF induces macrophages apoptosis and necrosis through the activation of
	peroxisome proliferator-activated receptor-gamma by which PEDF could modulate
	inflammatory reactions in septic shock. It balances angiogenesis in the eye and blocks tumor
	progression.
	Synonym: Dmrs91
Molecular Weight:	45.9 kDa
NCBI Accession:	NP_808788
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.

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