

Datasheet for ABIN7320353

**PEDF Protein (His tag)****1** Image[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	PEDF (SERPINF1)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PEDF protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse Serpin F1/PEDF Protein (His Tag)(Active)
Sequence:	Met 1-Thr 417
Characteristics:	A DNA sequence encoding the extracellular domain (Met 1-Thr 417) of mouse SerpinF1 (NP_035470.3) precursor was expressed with a C-terminal polyhistidine tag.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized mouse SERPINF1-His at 10 µg/ml (100 µl/well) can bind biotinylated human GST-CSNK2A1 with a linear range of 0.31-2.5 µg/ml.

## Target Details

Target:	PEDF (SERPINF1)
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## Target Details

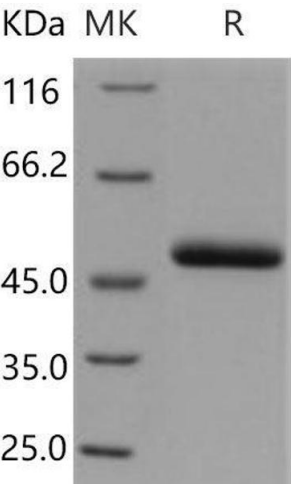
Alternative Name:	Serpin F1/PEDF ( <a href="#">SERPINF1 Products</a> )
Background:	<p>Background: Pigment epithelium-derived factor, also known as PEDF, Serpin F1, and SERPINF1, is a multiple functional protein which has both anti-angiogenic activity and neurotrophic activity at the same time. PEDF is a secreted glycoprotein that belongs to the noninhibitory serpin. It 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.</p> <p>Synonym: AI195227 Protein, Mouse,EPC-1 Protein, Mouse,Pedf Protein, Mouse,Pedfl Protein, Mouse,Sdf3 Protein, Mouse</p>
Molecular Weight:	45.8 kDa
NCBI Accession:	<a href="#">NP_035470</a>

## Application Details

Restrictions:	For Research Use only
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## 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:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>



Western Blotting

Image 1.