

Datasheet for ABIN7275444  
**PLGF Protein (AA 19-221) (Fc Tag)**

## 5 Images

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## Overview

Quantity:	100 µg
Target:	PLGF (PGF)
Protein Characteristics:	AA 19-221
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLGF protein is labelled with Fc Tag.

## Product Details

Purpose:	Human PGF Protein
Sequence:	Leu19-Arg221
Characteristics:	Recombinant Human PGF Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Leu19-Arg221.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human PGF, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human VEGF R1, His Tag with the EC50 of 12.8ng/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	PLGF (PGF)
Alternative Name:	PGF ( <a href="#">PGF Products</a> )
Background:	Placental growth factor (PGF) is another member of the VEGF family of cytokines with pro-angiogenic and pro-inflammatory effects. Retinal inhibition of PGF in combination with VEGF-A prevents vascular leakage and CNV possibly via modulating their own expression in mononuclear phagocytes. PGF-related, optimized strategies to target inflammation-mediated angiogenesis may help to increase efficacy and reduce non-responders in the treatment of wet AMD patients.
Molecular Weight:	48.6 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">VEGFR1 Specific Signals</a>

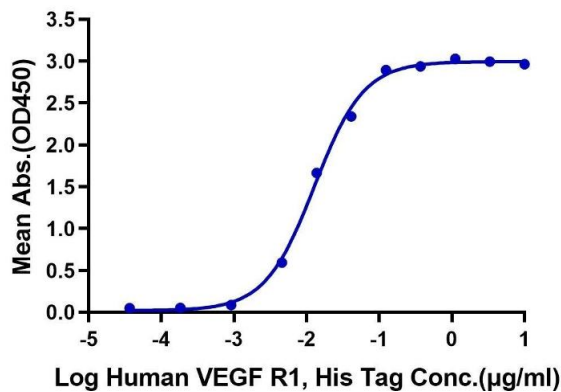
## Application Details

Restrictions:	For Research Use only
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## Handling

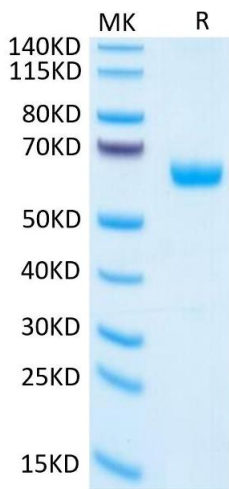
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

**Human PGF, hFc Tag ELISA**  
0.05µg Human PGF, hFc Tag Per Well



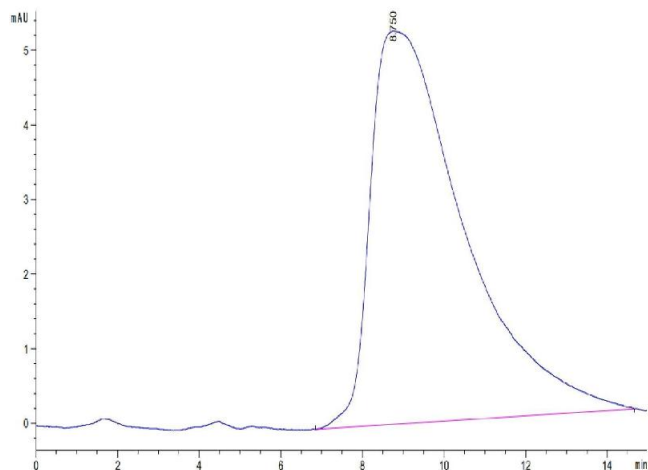
**ELISA**

**Image 1.** Immobilized Human PGF, hFc Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Human VEGF R1, His Tag with the EC<sub>50</sub> of 12.8 ng/mL determined by ELISA.



**SDS-PAGE**

**Image 2.** Human PGF on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 3.** The purity of Human PGF is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7275444.