

Active Recombinant Human PGF protein, hFc-tagged, Low Endotoxin

Cat. No. PGF-771H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PGF protein(P49763-1)(Leu19-Arg221), fused with C-terminal hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	19-221 aa
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	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 53.4ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 48.6 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3

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months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name PGF placental growth factor [Homo sapiens]

Official Symbol PGF

Synonyms PGF; placental growth factor; PGFL, placental growth factor, vascular endothelial growth factor related protein, placental growth factor like; placenta growth factor; D12S1900; PIGF; PLGF; PIGF 2; SHGC 10760; placental growth factor-like; placental growth factor, vascular endothelial growth factor-related protein; PGFL; PIGF-2; SHGC-10760;

Gene ID 5228

mRNA Refseq NM_001207012

Protein Refseq NP_001193941

MIM 601121

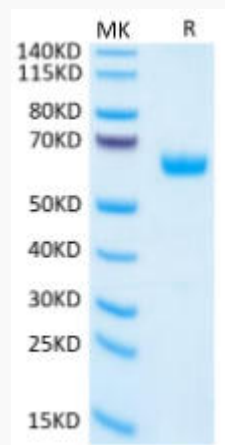
UniProt ID P49763

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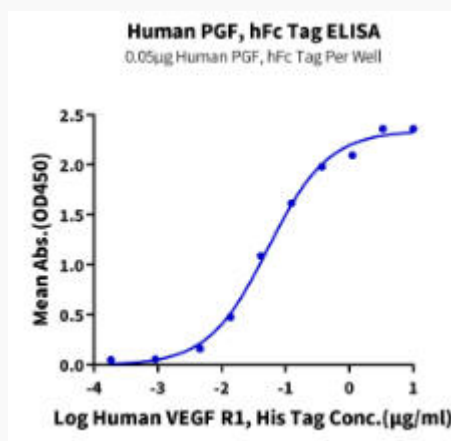
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Bis-Tris PAGE



ELISA Data



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