

Active Recombinant Human PGF protein, His-tagged

Cat. No. PGF-29H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PGF protein (Leu19-Arg170), fused to His tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Leu 19 - Arg 170
Form	Lyophilized from 0.22 µm filtered solution in 100 mM Acetic Acid, pH3.0 with trehalose as protectant.
Bio-activity	Immobilized Human PLGF, His Tag at 1 µg/mL (100 µL/well) can bind Biotinylated Human VEGF R1, His,Avitag with a linear range of 4-63 ng/mL.
Molecular Mass	The protein has a calculated MW of 18.2 kDa. The protein migrates as 28-33 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.

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This product is stable after storage at:

-20 centigrade to -70 centigrade for 12 months in lyophilized state;

-70 centigrade for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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