

Recombinant Human PGF protein(19-221), His-tagged

Cat. No. PGF-763H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human PLGF (19-221) Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Leu 19-Arg 221 (Accession # P49763-1).
Species	Human
Source	HEK293
ProteinLength	Leu 19-Arg 221
Description	Placental growth factor (PGF) is also known as vascular endothelial growth factor-related protein, PLGF and PIGF2, is a member of the VEGF (vascular endothelial growth factor) sub-family - a key molecule in angiogenesis and vasculogenesis, in particular during embryogenesis. The main source of PGF during pregnancy is the placental trophoblast. PGF is also expressed in many other tissues, including the villous trophoblast. PGF is activated in angiogenesis and endothelial cell growth, stimulating their proliferation and migration. PIGF2 binds NRP1/neuropilin-1 and NRP2/neuropilin-2 in a heparin-dependent manner. Also promotes cell tumor growth.
Predicted N Terminal	Leu 19
Form	Please contact us for detailed information.
Molecular Mass	The protein has a calculated MW of 24.7 kDa.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or

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lower.
 Please avoid repeated freeze-thaw cycles.
 This product is stable after storage at:
 -20°C to -70°C for 12 months in lyophilized state;
 -70°C 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 (human)]

Official Symbol PGF

Synonyms PGF; PLGF; PIGF2; PIGF; PGFL; SHGC-10760

Gene ID 5228

mRNA Refseq NM_001207012.1

Protein Refseq NP_001193941.1

MIM 601121

UniProt ID P49763

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