

Active Recombinant Human PGF

Cat. No. PGF-515H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PGF (Accession # NP_002623) Leu19-Arg170, fused with , was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
ProteinLength	Leu19-Arg170
Predicted N Terminal	Leu19
Form	Lyophilized from a 0.2 μ filtered solution in HCl.
Bio-activity	Measured in a cell proliferation assay using MDA-MB-231 human breast cancer cells. The ED50 for this effect is typically 2 - 10 μg/mL
Molecular Mass	Recombinant Human PGF has a calculated MW of 17.3 kDa (monomer). In SDS-PAGE migrates as 28-33 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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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
Chromosome Location	14q24.3

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