

Active Recombinant Human PGF

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

SPECIFICATION

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| 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

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| 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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