# Active Recombinant Human PGF Protein

**Cat. No.** PGF-102H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | The mature recombinant human PlGF-4 protein (19-242aa) without tag was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 19-242 a.a. |
| **Description** | This gene encodes a growth factor found in placenta which is homologous to vascular endothelial growth factor. Alternatively spliced transcripts encoding different isoforms have been found for this gene. |
| **Bio-activity** | Measured by its binding ability in a functional ELISA. When Recombinant Human VEGF R1/Flt-1 Fc Chimera, aa 27-328 is immobilized at 0.5 μg/mL, 100 μL/well, the concentration of Recombinant Human PlGF-4 that produces 50% of the optimal binding response is approximately 4-24 ng/mL. |
| **Molecular Mass** | 25 kDa |
| **Product-Related Proteins** | 19-242 |
| **Storage** | At -80 centigrade. Avoid repeated freeze-thaw cycles. |

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| **Storage Buffer** | PBS |

## GENE INFORMATION

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| **Gene Name** | PGF placental growth factor [ Homo sapiens (human) ] |
| **Official Symbol** | PGF |
| **Synonyms** | PGF; placental growth factor; PGFL; PIGF; PLGF; PlGF-2; D12S1900; SHGC-10760; placenta growth factor; placental growth factor, vascular endothelial growth factor-related protein |
| **Gene ID** | 5228 |
| **mRNA Refseq** | NM_002632 |
| **Protein Refseq** | NP_002623 |
| **MIM** | 601121 |
| **UniProt ID** | P49763 |

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