

## Active Recombinant Human PGF Protein

Cat. No. PGF-099H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The mature recombinant human PIGF protein (21-149aa) without tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	21-149 a.a.
<b>Description</b>	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.
<b>Bio-activity</b>	When Recombinant Human VEGF R1/Flt-1 Fc Chimera is immobilized at 0.5 µg/mL, 100 µL/well, the concentration of Recombinant Human PIGF that produces 50% of the optimal binding response is approximately 0.15-0.9 ng/mL.
<b>Molecular Mass</b>	15 kDa
<b>Product-Related Proteins</b>	21-149
<b>Endotoxin</b>	< 0.1 EU/µg of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE

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<b>Storage</b>	At -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	PBS
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	PGF placental growth factor [ Homo sapiens (human) ]
<b>Official Symbol</b>	PGF
<b>Synonyms</b>	PGF; placental growth factor; PGFL; PIGF; PLGF; PIGF-2; D12S1900; SHGC-10760; placenta growth factor; placental growth factor, vascular endothelial growth factor-related protein
<b>Gene ID</b>	5228
<b>mRNA Refseq</b>	NM_002632
<b>Protein Refseq</b>	NP_002623
<b>MIM</b>	601121
<b>UniProt ID</b>	P49763

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