

## PLGF-1, Human Recombinant

<b>Catalog No.</b>	CRP171A CRP171B CRP171C	<b>Quantity:</b>	25 µg 100 µg 1.0 mg
<b>Alternate Names:</b>	Placenta Growth Factor-1, PIGF, PGF		
<b>Description:</b>	PLGF-1 is an angiogenic factor that belongs to the cysteine-knot superfamily of growth factors. PLGF-1 is expressed in placental tissues, colon and mammary carcinomas. It signals through the VEGFR-1/FLT1 receptor and stimulates endothelial cell proliferation and migration. Recombinant human PLGF-1 is a disulfide-linked homodimeric protein containing two 131 amino acid polypeptide chains.		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	29.7 kDa		
<b>Formulation:</b>	Lyophilized from a sterile filtered solution containing BSA.		
<b>Purity:</b>	>95.0% as determined by RP-HPLC and SDS-PAGE analyses.		
<b>Endotoxin Level:</b>	< 0.1 ng per µg of PLGF-1		
<b>Biological Activity:</b>	Determined by its ability to chemoattract human monocytes of using a concentration range of 0.5-10 ng/ml.		
<b>Reconstitution:</b>	<b>Centrifuge the vial prior to opening.</b> Reconstitute the protein in sterile 20 mM acetic acid to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers and stored at 2-4°C for 1 week or -20°C for future use.		
<b>Storage &amp; Stability:</b>	The lyophilized protein is best stored desiccated below 0°C. Reconstituted protein should be stored at working aliquots at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). <b>Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.</b>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

