

Recombinant Mouse PLGF

CATALOG #:	4743-10	10 µg
	4743-50	50 µg
	4743-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>95% by SDS-PAGE and HPLC analysis	
ENDOTOXIN:	Endotoxin level is <0.1 ng per µg of PLGF.	
MOL. WEIGHT:	32.6 kDa (2 x16.3 kDa disulfide-linked homodimer)	
FORMULATION:	Sterile filtered and lyophilized without additives	

RECONSTITUTION:

Centrifuge the vial prior to opening. It is recommended to reconstitute the protein in sterile 20 mM acetic acid to a concentration of 0.1-1.0 µg/µl. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:

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% HAS or BSA). Prevent freeze/thaw cycles.

DESCRIPTION:

PLGF (also called Placenta Growth Factor, PIGF, PGF) is an angiogenic factor that belongs to the cysteine-knot superfamily of growth factors. PLGF 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 mouse PLGF is a disulfide-linked homodimer containing two 142 amino acid polypeptide chains.

Biological Activity:

Determined by its ability to chemoattract human monocytes of using a concentration range of 0.5-10 ng/ml.

FOR RESEARCH USE ONLY. Not to be used in humans

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