

PLGF-3 Human Recombinant

CATALOG NO:	P1563-10 10 µg P1563-50 50 µg
ALTERNATE NAMES:	PGFL, PLGF, PGF, Placenta growth factor
MOL. WT.	45.7 kDa
SOURCE:	<i>E. coli</i>
PURITY:	≥ 95% SDS - PAGE
ENDOTOXIN:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
FORM:	Lyophilized
FORMULATION:	Sterile filtered through a 0.2 µ filter. Lyophilized with no additives.
RECONSTITUTION:	Initially reconstitute in water to 0.1-1.0 mg/ml. Store at 2°C to 8°C for up to 1 week or prepare for extended storage.
BIOLOGICAL ACTIVITY:	Determined by its ability to chemoattract human monocytes using a concentration range of 5.0-50.0 ng/ml.
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, store in working aliquots at -20°C to -80°C.
DESCRIPTION:	PIGF-3 is an angiogenic factor that belongs to the cysteine-knot superfamily of growth factors. PIGF-3 is expressed exclusively in the placenta. It signals through the VEGFR-1/FLT1 receptor, and stimulates endothelial cell proliferation and migration. PIGF-3 lacks heparin binding affinity. Recombinant Human PIGF-3 is a 45.7 kDa disulfide-linked homodimeric protein of two 203 amino acid polypeptide chains.
AMINO ACID SEQUENCE:	LPAVPPQQWA LSAGNGSSEV EVVPFQEVWG RSYCRALERL VDVVSEYPSE VEHMFSPSCV SLLRCTGCCG DENLHCVPVE TANVTMQLLK IRSGDRPSYV ELTFSQHVRC ECRHSPGRQS PDMPGDFRAD APSFLPPRRS LPMLFRMEWG CALTGSQSAV WPSSPVPEEI PRMHPGRNGK KQQRKPLREK MKPERCGDAV PRR

RELATED PRODUCTS:

- PLGF-2, human recombinant (4741)
- PLGF, murine recombinant (4743)
- PLGF-1, human recombinant (4739)
- Human CellExp™ PLGF/PIGF2/PGF, human recombinant (7238)
- Human CellExp™ PLGF / PGF, Rhesus macaque Recombinant (P1393)

FOR RESEARCH USE ONLY! Not to be used on humans.