

PLGF-1, human recombinant protein
PIGF, PGF, PLGF 1, Placenta Growth Factor-1
Catalog # PBV10391r

Specification

PLGF-1, human recombinant protein - Product info

Primary Accession [AAD30179](#)
Calculated MW **29.7 kDa KDa**

PLGF-1, human recombinant protein - Additional Info

Gene ID **5228**
Gene Symbol **PGF**
Other Names
PIGF, PGF, PLGF 1, Placenta Growth Factor-1

Gene Source **Human**
Source **E. coli**
Assay&Purity **SDS-PAGE; ≥95%**
Assay2&Purity2 **HPLC; ≥95%**
Recombinant **Yes**
Results **0.5-10 ng/ml**

Application Notes

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 buffer

Format

Lyophilized protein

Storage

-20°C; Sterile filtered and lyophilized with no additives

PLGF-1, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PLGF-1, human recombinant protein - Images

PLGF-1, human recombinant protein - Background

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.