

AR31145PU-S

Rat Placenta growth factor / PGF - Purified

Alternate names:

PGFL, PLGF, PlGF

Quantity:

5 µg

Background:

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.

Uniprot ID:

[Q63434](#)

NCBI:

[NP_446047.1](#)

GenelD:

[94203](#)

Species:

Rat

Source:

E. coli

Format:

State: Lyophilized (0.2µ Sterile filtered) purified protein

Purity: >95% pure by SDS-PAGE gel and HPLC analyses

Reconstitution: Restore in water to a concentration of 0.1-1.0 mg/ml.

Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Description:

Recombinant Rat PlGF-1 is a 30.3 kDa disulfide-linked homodimeric protein of two 135 amino acid polypeptide chains.

AA Sequence:

ALSAGNNSTE MEVVPFNEVW GRSYCRPMEK LVYIADEHPN EVSHIFSPSC VLLSRCSGCC
GDEGLHCVAL KTANITMQIL KIPPNRDPHS YVEMTFSQDV LCECRPILET TKAERRKTKG
KRKQSKTPQT EEPHL

Molecular weight: 30.3 kDa (135 amino acids)

Add. Information:

Centrifuge the vial prior to opening.

Storage:

Store lyophilized at 2-8°C for 6 months or at -20°C long term.

After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.