

PLGF 2 Human

Description: Placenta Growth Factor-2 Human Recombinant produced in insect cells is a homodimer, glycosylated polypeptide chain containing 2 x 152 amino acids and having a total molecular mass of 44 kDa. The PLGF-2 is purified by proprietary chromatographic techniques.

Catalog #: CYPs-427

Synonyms: PIGF, PGF, PIGF-2, PLGF-2.

For research use only.

Source: Insect Cells.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Purity: Greater than 80.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Formulation:

Lyophilized from a concentrated (1mg/ml) solution containing BSA.

Stability:

Lyophilized Placenta Growth Factor-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PLGF2 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the lyophilized Placenta Growth Factor 2 in sterile 20mM acetic acid not less than 100

Introduction:

PLGF is a growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration. It binds to receptor vegfr-1/flt1. PLGF-2 binds neuropilin-1 and 2 in a heparin-dependent manner.

Biological Activity:

PIGF-2 human Recombinant can bind to immobilized rh-sFlt-1 (100ng/well) with a linear range at 0.310ng/ml.

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