
Product Data Sheet

Product Name: PLGF3 Human, sf9

Cat. No.: GP20845

Batch No.: 1

Product Data

Purity >98% Source Spodoptera frugiperda.

Physical Appearance solid Shipping Condition Shipped at Room temp.

Synonyms Placental Growth Factor; Placental Growth Factor Vascular Endothelial Growth Factor-Related Protein; PGFL; PLGF; Placental Growth Factor-Like; Placenta Growth Factor; SHGC-10760; D12S1900; PIGF-2; PGF.

Solubility It is recommended to reconstitute the lyophilized PLGF3 in sterile 4mM HCl not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Formulation PLGF-3 protein was lyophilized from a 0.2µm filtered solution in HCl.

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.

Biological Activity

The ED50, as measured by its binding ability to rHuVEGF R1 in a functional ELISA, is less than 3ng/ml.

Stability

Lyophilized PLGF3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution PLGF-3 should be stored at 4°C between 2-7 days and for future use below -18°C . For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Background

PLGF3 Human Recombinant produced in Spodoptera frugiperda is a glycosylated homodimer containing 2 chains of 203 amino acids (Leu19-Arg221) and having a

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molecular mass of 58kDa. The PLGF-3 is purified by proprietary chromatographic techniques.

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