

## Placenta Growth Factor-3 Human Recombinant, sf9

**Item Number** rAP-2432

**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.

**Description** PLGF3 Human Recombinant produced in *Spodoptera frugiperda* is a glycosylated homodimer containing 2 chains of 203 amino acids (Leu19-Arg221) and having a molecular mass of 58kDa. The PLGF-3 is purified by proprietary chromatographic techniques.

**Uniprot Accesion Number** P49763

### Amino Acid Sequence

**Source** *Spodoptera frugiperda*.

**Physical Appearance and Stability** Sterile Filtered White lyophilized (freeze-dried) powder. 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.

**Formulation and Purity** PLGF-3 protein was lyophilized from a 0.2µm filtered solution in HCl. Greater than 95.0% as determined by SDS-PAGE.

### Application

**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.

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

**Shipping Format and Condition** Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**