

Placenta Growth Factor-3 Human Recombinant

Item Number rAP-2433

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 E.Coli is a non-glycosylated homodimer containing 2x204 amino acids and having a total molecular mass of 45.8kDa.

Uniprot Accesion Number P49763

Amino Acid Sequence MLPAVPPQQW ALSAGNGSSE VEVVPFQEVT GRSYCRALER LVDVSEYPS EVEHMFSPSC VSLLRCTGCC GDENLHCVPV ETANVTMQLL KIRSGDRPSY VELTFSQHVR CECRHSPGRQ SPDMPGDFRA DAPSFLPPRR SLPMLFRMEW GCALTGSQSA VWPSSPVPEE IPRMHPGRNG KKQQRKPLRE KMKPERCGDA VPRR.

Source Escherichia Coli.

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 Lyophilized from a sterile (0.2μm) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA). Greater than 95.0% as determined by SDS-PAGE.

Application

Solubility It is recommended to reconstitute the lyophilized PLGF-3 in sterile 18M-cm H2O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

Biological Activity

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**