9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

PLGF1 Human, Sf9

Placental Growth Factor-1 Human Recombinant, Sf9
GRF0335

Product Overview

Name	PLGF1 Human, Sf9
Description	
Placental Growth Factor-1 Human Recombinant, Sf9	
Accession (Primary)	P49763
Synonyms	
PIGF, PGF, PLGF-1.	
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.	
Source	
Insect Cells.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a concentrated (1mg/ml) solution containing 50mM acetic acid.	
Stability	
Lyophilized Placenta Growth Factor 1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PLGF1 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
The sequence of the first five N-terminal amino acids was determined and was found to be Met-Leu-Pro-Ala-Val.	
Biological Activity	
The ED 50 as determined by its ability to bind to immobilized rh-sFlt-1 in a functional ELISA. PlGF-1 human Recombinant can bind to immobilized rh-sFlt-1 (100ng/well) with a linear range at 0.5-10ng/ml, corresponding to a Specific Activity of 1x10 5 -2x10 6 units/mg.	
Solubility	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

It is recommended to reconstitute the lyophilized Placenta Growth Factor 1 in sterile 0.1M acetic acid not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

PLGF1 Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P49763)