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PLGF1 Human

Placental Growth Factor-1 Human Recombinant
GRF0332

Product Overview

Name	PLGF1 Human
Description	
Placental Growth Factor-1 Human Recombinant	
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	
Escherichia coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
PLGF-1 protein was lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA.	
Stability	
Lyophilized PLGF-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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 97.0% as determined by SDS-PAGE.	
Amino acid sequence	
AVPPQQWALS AGNGSSEVEV VPFQEVWGRS YCRALERLVD VVSEYPSEVE HMFSPSCVSL LRCTGCCGDE NLHCVPVETA NVTMQLLKIR SGDRPSYVEL TFSQHVRCEC RPLREKMKPE RCGDAVPRR.	
Biological Activity	
Binds to immobilized rHuVEGFR1 with EC 50 less than 6ng/ml.	
Solubility	
It is recommended to reconstitute the lyophilized PLGF1 in sterile 18M-cm H 2 O not less than 100 µg/ml, which can	

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then be further diluted to other aqueous solutions.

Precautions

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

Target Information: (P49763)